



ELSEVIER

Sedimentary Geology 121 (1998) 299–301

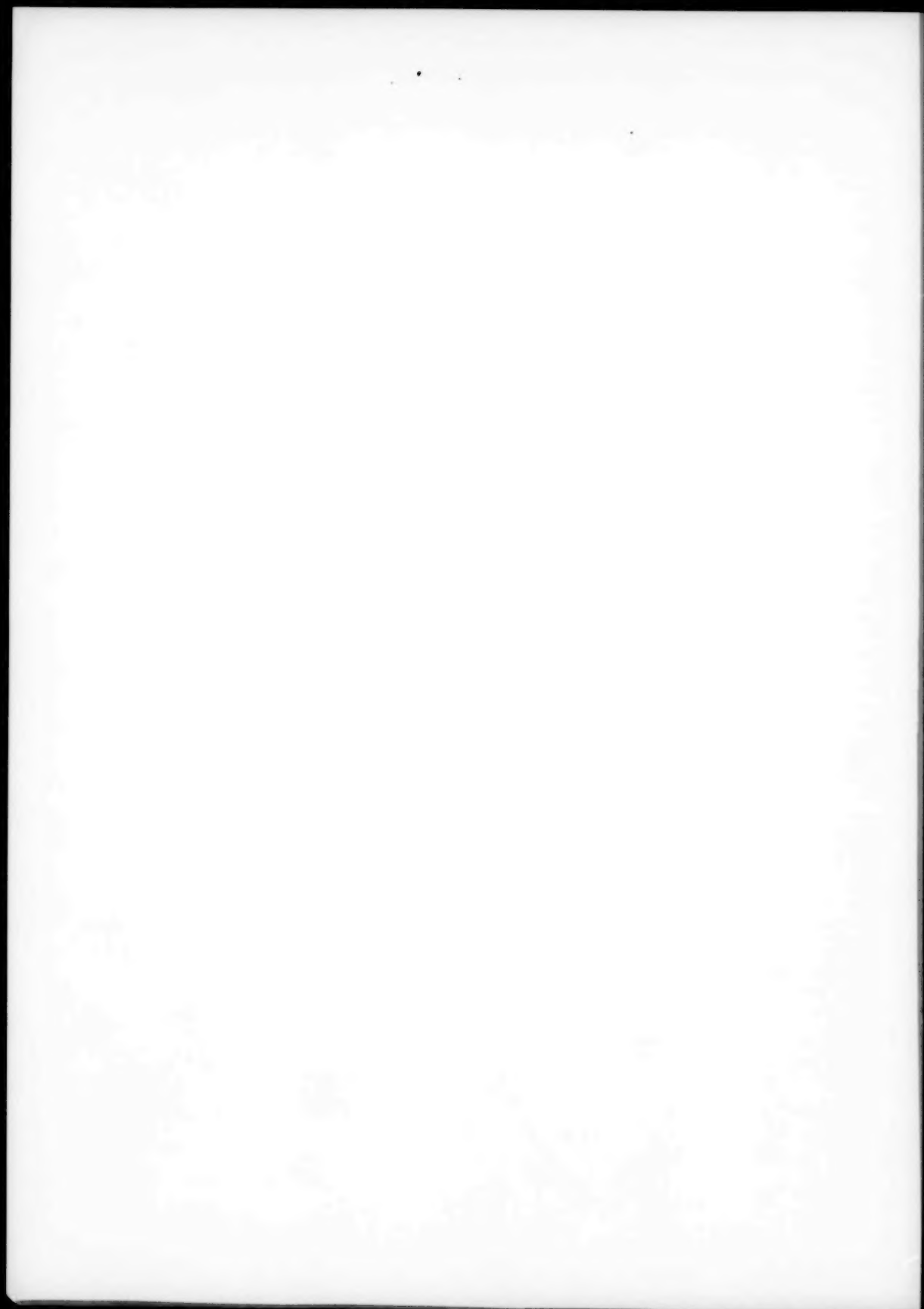
**Sedimentary  
Geology**

## Author Index Volumes 114–121

- Abdel-Wahab, A., 119, 311, 121, 121  
Adams, E.W., 117, 135  
Akhurst, M.C., 115, 33  
Al-Aasm, I.S., 114, 295  
Al Maskiry, S., 119, 297  
Alonso-Zarza, A.M., 114, 81; 116, 81; 119, 181  
Altermann, W., 120, 5, 225  
Alves, D.B., 115, 175  
Amini, A., 118, 37  
Anadón, P., 121, 191  
Andrews, J.E., 119, 25  
Antoshkina, A.I., 118, 187  
Arasa, A., 117, 11  
Arche, A., 114, 267  
Armenteros, I., 119, 275  
Aspler, L.B., 120, 5, 75
- Babajabaa, S., 120, 337  
Bandyopadhyay, S., 119, 239  
Barnolas, A., 117, 11  
Beck, Ch., 117, 71  
Bhattacharya, H.N., 119, 239  
Blanc-Valleron, M.-M., 121, 23  
Bluck, B., 115, 267  
Bocanegra-García, G., 119, 263  
Borgomano, J., 119, 297  
Bourges, P., 121, 207  
Bourque, P.-A., 118, 95  
Bourquin, S., 121, 207  
Bourrouilh, R., 118, 95  
Bourrouilh-Le Jan, F.G., 118, 3, 95  
Boyce, J.I., 116, 1  
Braakenburg, N.E., 115, 233  
Brierley, G.J., 114, 1  
Bustillo, M.A., 119, 85
- Caddah, L.F.G., 115, 133, 159, 175  
Calvo, J.P., 114, 81, 116, 81, 119, 181  
Cañaveras, J.C., 119, 183  
Carranza-Edwards, A., 119, 263  
Carter, R.M., 117, 97  
Caruso, A., 121, 23  
Catuneanu, O., 120, 5; 121, 157
- Cespuglio, G., 121, 23  
Chamyal, L.S., 116, 251  
Chiarenzelli, J.R., 120, 5, 75  
Chiocci, F.L., 116, 157  
Chown, E.H., 120, 125  
Combourieu-Nebout, N., 121, 23  
Condie, K.C., 120, 5  
Corcoran, P.L., 120, 125, 177  
Crémer, M., 115, 81  
Cronin, B.T., 115, 315
- Dabrio, C.J., 116, 27  
Daley, B., 119, 275  
Dansereau, P., 118, 95  
Dasgupta, P., 119, 253  
De Batist, M., 117, 71  
de Fátima Rossetti, D., 114, 163  
de Kemp, E.A., 120, 153  
de Pablo Galán, L., 119, 263  
De Ros, F.L., 116, 99  
Degnan, P.J., 117, 33  
Delgado, A., 119, 85  
Deynoux, M., 119, 141  
Di Stefano, E., 121, 23  
Dinarès-Turell, J., 121, 23  
Dionne, J.-C., 116, 261  
Ditchfield, P., 121, 23  
Dodd, J.R., 121, 1  
Donaldson, J.A., 120, 153  
Dromart, G., 114, 55  
Düringer, P., 121, 57  
Dutta, P.K., 117, 123
- El Tabakh, M., 121, 97  
Els, B.G., 120, 205  
Enos, P., 118, 55  
Ercilla, G., 116, 157  
Eriksson, K.A., 120, 275  
Eriksson, P.G., 120, 1, 5, 319  
Estévez, P., 116, 81; 119, 181  
Eyles, N., 116, 1
- Fairchild, I., 118, 1

- Farr, M.R., 114, 11  
 Faugères, J.-C., 115, 1, 3, 53, 81, 111, 133, 233  
 Feng, Z., 118, 1, 127  
 Ferguson, R.J., 114, 1  
 Fortuin, A.R., 116, 27  
 Francus, P., 121, 289  
 Friedman, G.M., 119, 1; 121, 141  
 Friis, H., 117, 221
- Garcia, J.-P., 114, 55  
 Ge, M., 114, 189  
 Ghienne, J.F., 119, 141  
 Gilbert, I.M., 115, 185  
 Goldberg, S.G., 114, 223  
 Gomis-Coll, E., 121, 23  
 Gonthier, E., 115, 3  
 Goodbred S.L. Jr., 121, 239  
 Görür, N., 121, 147  
 Grimalt, J.O., 121, 23  
 Gwinn, B., 114, 33
- Habermann, D., 116, 13  
 Hattori, K., 114, 321  
 Hernandez-Molina, F.J., 117, 11  
 Hjelbakk, A., 114, 131  
 Holail, H.M., 116, 227  
 Houghton, B.F., 119, 5  
 Howe, J.A., 115, 33  
 Hoyos, M., 119, 183  
 Hrovatin, V., 115, 111
- Imbert, P., 115, 81  
 Inglès, M., 116, 159  
 Insalaco, E., 118, 1, 159
- Jiayong, W., 118, 55  
 Jiménez-Espinosa, R., 114, 97  
 Jiménez-Millán, J., 114, 97  
 Jin, Z., 118, 1, 127  
 Johansson, M., 115, 233  
 Journeaux, T.D., 117, 165
- Kähler, G., 115, 215  
 Kamp, P.J.J., 116, 57; 117, 165  
 Kench, P.S., 114, 109  
 Khadkikar, A.S., 116, 251  
 Kidd, R.B., 115, 315  
 Kirkland, B.L., 117, 143  
 Kocurek, G., 116, 275; 117, 143  
 Kowsmann, R.O., 115, 133, 159  
 Kraus, M.J., 114, 33  
 Krijgsman, W., 119, 337  
 Kuehl, S.A., 121, 239  
 Kunimaru, T., 119, 195
- Larcombe, P., 117, 97  
 Le Roux, J.P., 119, 17
- Lee, Y.I., 118, 141; 119, 161, 219  
 Leeder, M.R., 117, 207  
 Lehmann, D.J., 118, 55  
 Lima, J.A.M., 115, 133  
 López-Gómez, J., 114, 267
- Mack, G.H., 117, 207  
 Maestro, A., 117, 11  
 Major, J.J., 117, 151  
 Malik, J.N., 116, 251  
 Maliva, R.G., 121, 179  
 Manalt, F., 117, 71  
 Manville, V., 119, 5  
 Masse, J.-P., 119, 297  
 Massé, L., 115, 111  
 Masuda, F., 116, 279  
 McBride, E.F., 119, 311  
 McCann, T., 116, 177  
 McManus, J., 120, 337  
 Mees, F., 117, 193  
 Mellere, D., 114, 237  
 Meng, X., 114, 189  
 Menzies, J., 116, 277  
 Merh, S.S., 116, 251  
 Mézeraïs, M.L., 115, 81  
 Miall, A.D., 120, 5; 121, 157  
 Mikkelsen, J., 117, 221  
 Mittal, S., 119, 25  
 Mizusaki, A.M.P., 115, 175  
 Moghazi, A.-K.M., 116, 227  
 Mol, J.A., 114, 322  
 Molina, J.M., 119, 103  
 Morad, S., 114, 295  
 Morgans, H.E.G., 117, 165  
 Mresah, M.H., 116, 199  
 Mueller, W.U., 120, 1, 5, 125, 177  
 Muñoz, A., 116, 159  
 Murray, J.W., 115, 185
- Naish, T., 116, 57  
 Nelson, C.S., 121, 1  
 Nelson, D.R., 120, 225  
 Neuser, R.D., 116, 13  
 Nieto, L., 114, 97  
 Nøttvedt, A., 114, 237
- Oaie, G., 115, 289  
 Ogawa, Y., 115, 351  
 Okhravi, R., 118, 37  
 Olóriz, F., 119, 123  
 Øxnevad, I.E.I., 120, 295
- Paik, I.S., 119, 161  
 Pérez, A., 116, 159  
 Pestrea, S., 121, 23  
 Pickering, K.T., 115, 351  
 Pierre, C., 121, 23

- Polo, M.D., 116, 27  
 Pratt, B.R., 117, 1  
 Pudsey, C.J., 115, 185  
 Pueyo, J.J., 121, 23
- Rankey, E.C., 114, 11  
 Ravnås, R., 114, 237  
 Reczko, B.F.F., 120, 319  
 Rees, J.G., 117, 11  
 Reinhold, C., 121, 71  
 Rey, J., 119, 85  
 Ricci-Lucchi, F., 117, 246  
 Richter, D.K., 116, 13  
 Rigollet, C., 121, 207  
 Rizzo, J.G., 115, 133  
 Robertson, A.H.F., 117, 33  
 Rodríguez-Tovar, F.J., 119, 123  
 Roep, Th.B., 116, 27  
 Rosales-Hoz, L., 119, 263  
 Rouchy, J.M., 121, 23  
 Ruiz-Ortiz, P.A., 119, 85  
 Russell, M., 121, 23
- Salem, A.M.K., 119, 311  
 Salvany, J.M., 116, 159  
 Sánchez-Moral, S., 119, 183  
 Sandersen, P., 117, 221  
 Santisteban, C., 121, 23  
 Sanz, M.E., 114, 81; 116, 81; 119, 181  
 Sanz-Rubio, E., 119, 183  
 Satterley, A.K., 118, 1  
 Schieber, J., 120, 105  
 Schlager, W., 117, 135  
 Sheen, D.-H., 119, 219  
 Shimizu, H., 119, 195  
 Sighinolfi, G.P., 115, 301  
 Simpson, E.L., 120, 275  
 Sjöblom, S.T., 114, 237  
 Smith, D.B., 114, 305  
 Soh, W., 115, 351  
 Somoza, L., 117, 11  
 Sönderholm, M., 120, 257  
 Sood, A., 119, 25  
 Sprovieri, R., 121, 23  
 Steel, R.J., 114, 237  
 Stoker, M.S., 115, 33  
 Stollhofen, H., 119, 47  
 Stow, D.A.V., 115, 1, 3, 33, 53, 215, 233, 351  
 Stromberg, S.G., 115, 267  
 Sun, M., 116, 129  
 Syvitski, J.P.M., 117, 248
- Taberner, C., 121, 23  
 Taira, A., 115, 351  
 Takahashi, K., 119, 195  
 Tandon, S.K., 119, 25  
 Taniguchi, H., 115, 351  
 Tateo, F., 115, 301  
 Tirsgaard, H., 120, 1, 5, 257, 295  
 Tobin, K.J., 114, 223; 121, 277  
 Torres, J., 116, 157  
 Tucker, M., 117, 250  
 Tucker, M.E., 114, 189; 121, 145  
 Turner, B.R., 114, 305
- Utha-Aroon, C., 121, 97  
 Utrilla, R., 121, 191
- Van Rensbergen, P., 117, 71  
 Vázquez, A., 121, 191  
 Vecsei, A., 121, 57  
 Vera, J.A., 119, 103  
 Viana, A., 115, 3  
 Viana, A.R., 115, 53, 133, 159
- Walker, K.R., 114, 223; 121, 277  
 Wang, S., 116, 129  
 Wattel, E., 117, 135  
 Weibel, R., 121, 259  
 Weihe, T., 117, 249  
 Weyant, P., 118, 95  
 White, J.D.L., 119, 5  
 Wignall, P., 117, 245  
 Williams, G.E., 120, 55  
 Willis, A.J., 121, 157  
 Wilson, C.J.N., 119, 5  
 Wilson, R.C.L., 114, 237  
 Windelstad, J., 114, 237  
 Wolff, G.A., 121, 23  
 Wood, R., 121, 149  
 Woolfe, K.J., 114, 1  
 Wright, V.P., 114, 81  
 Wu, Y., 116, 143  
 Wu, Z., 116, 143
- Yaalon, D.H., 116, 276  
 Yabuki, S., 119, 195  
 Yoo, C.M., 118, 141  
 Yu, X., 116, 129
- Zhang, L., 116, 129  
 Zhang, Y., 118, 127  
 Zhidong, B., 118, 77  
 Zhu, J., 118, 119





ELSEVIER

Sedimentary Geology 121 (1998) 303-321

## Sedimentary Geology

### Subject Index Volumes 114-121

- abrasion** 116(1-2) 1-12  
**absolute age** *see also* U/Pb  
Bangladesh, sedimentary petrology 121(3-4) 239-258  
abyssal fans *see* submarine fans  
active tectonics *see* neotectonics  
**Adelaide Australia**  
sedimentary petrology 120(1-4) 55-74  
aeolianite *see* eolianite  
**Africa** *see also* North Africa; Sahara; Southern Africa; West Africa  
sedimentation, Kaapvaal Craton 120(1-4) 225-256  
Agnostozoic *see* Proterozoic  
**Alabama**  
geochemistry  
Blount County Alabama 114(1-4) 223-236  
Jefferson County Alabama 114(1-4) 223-236  
**Alcantara Formation**  
sedimentary petrology 114(1-4) 163-188  
**algae**  
Halimeda, Indian Ocean Islands 114(1-4) 109-130  
Microcodium, Spain 116(1-2) 81-97; 119(1-2) 181  
**algal mats**  
Montana 120(1-4) 105-124  
**Aljibe Flysch**  
diagenesis 115(1-4) 267-288  
alkaline earth metals *see* calcium; magnesium; strontium  
alluvial deposits *see* alluvium  
**alluvial fans**  
Canadian Shield, sedimentary petrology 120(1-4) 177-203  
Northwest Territories, sedimentary petrology 120(1-4) 125-152  
sedimentary petrology 120(1-4) 5-53  
Spain, Permian 114(1-4) 267-294  
**Alluvial soils**  
Wyoming, stratigraphy 114(1-4) 33-54  
**alluvium**  
New Mexico, geomorphology 117(3-4) 207-219  
Texas, geomorphology 117(3-4) 207-219  
**alluvium aquifers**  
India, ground water 116(3-4) 251-260  
**Almeria Spain**  
sedimentary petrology 116(1-2) 27-56  
**Alpine Orogeny**  
Germany, sedimentary petrology 121(1-2) 71-95  
**Alps**  
Quaternary, French Alps 117(1-2) 71-96  
amargosite *see* bentonite  
**Anadarko Basin**  
sedimentary petrology 117(3-4) 143-149  
anastomosing streams *see* braided streams  
**ancient ice ages**  
South Africa, sedimentary petrology 120(1-4) 319-335  
South Australia, sedimentary petrology 120(1-4) 55-74  
Andalusia Spain *see* Almeria Spain  
**Andros Island**  
sedimentary petrology 118(1-4) 3-36  
**anhydrite**  
Mali, sedimentary petrology 117(3-4) 193-205  
**anhysteretic remanent magnetization**  
Kansas, paleomagnetism 114(1-4) 11-32  
**Anisian**  
France 121(1-2) 53-70  
**ankerite**  
Germany, sedimentary petrology 121(1-2) 71-95  
Antarctic Continent *see* Antarctica  
**Antarctic Ocean**  
sedimentary petrology, Weddell Sea 115(1-4) 185-214  
**Antarctica** 117(3-4) 135-141  
**Anthozoa** *see also* Zoantharia  
England, diagenesis 121(3-4) 179-190  
**Apennines**  
geochemistry 115(1-4) 301-313  
Aptian *see* Shuiba Formation  
**aquifers** *see also* alluvium aquifers  
Saudi Arabia, diagenesis 120(1-4) 337-343  
**Araba Formation**  
sedimentary petrology 121(1-2) 121-140  
Arabian Desert *see* Eastern Desert  
Arabian Peninsula *see* Oman; Saudi Arabia  
Aragon Spain *see* Saragossa Spain  
**aragonite**  
Atlantic Ocean, sedimentary petrology 118(1-4) 3-36  
England, diagenesis 121(3-4) 179-190  
Indiana, sedimentary petrology 121(1-2) 1-21  
New Zealand, sedimentary petrology 121(1-2) 1-21  
Spain, geochemistry 121(3-4) 191-206  
Vermont, diagenesis 121(3-4) 277-288  
**Archean** *see also* Kaapvaal Craton  
Canadian Shield 120(1-4) 75-104; 120(1-4) 153-176  
Northwest Territories 120(1-4) 125-152  
South Africa 120(1-4) 205-224  
**Arctic Ocean**  
sedimentary petrology 115(1-4) 3-31  
Arctic region *see* Greenland  
**arenite** *see also* quartz arenite  
South Africa 120(1-4) 225-256  
Spain 115(1-4) 267-288  
**argillite**  
Canadian Shield 120(1-4) 177-203  
Quebec 116(3-4) 261-274  
**Arizona**  
structural geology, Maricopa County Arizona 116(1-2) 1-12  
**Artesia Group**  
sedimentary petrology 117(3-4) 143-149  
Articulata *see* Spiriferida  
**Ashgillian**  
Russian Federation 118(1-4) 187-211  
**Asia** *see also* Arabian Peninsula; Far East; Indian Peninsula; Middle East  
areal geology 121(1-2) 147  
sedimentary petrology  
Bengal 121(3-4) 239-258  
Brahmaputra River 121(3-4) 239-258  
Ganges River 121(3-4) 239-258  
Lake Baikal 121(3-4) 289-298  
**Asselian**  
Kansas 114(1-4) 11-32  
**Atlantic Ocean** *see also* North Atlantic  
clay mineralogy, Campos Basin 115(1-4) 175-184  
diagenesis, Great Bahama Bank 119(1-2) 1-4  
Great Bahama Bank 117(3-4) 135-141  
sedimentary petrology 115(1-4) 3-31  
Bay of Biscay 115(1-4) 81-110  
Brazil Basin 115(1-4) 81-110; 115(1-4) 111-132; 115(1-4) 133-157  
Campos Basin 115(1-4) 133-157

- Great Bahama Bank 118(1-4) 3-36  
 Rio Grande Rise 115(1-4) 111-132  
 Vema Channel 115(1-4) 81-110  
 sediments  
   Brazil Basin 115(1-4) 159-174  
   Campos Basin 115(1-4) 159-174  
   Rockall Trough 115(1-4) 33-51  
 Atlantic-type margins *see* passive margins  
**atolls**  
   Atlantic Ocean 118(1-4) 3-36  
**Atrypidae**  
   Western Australia, diagenesis 121(3-4) 149-156  
 attapulgite *see* palygorskite  
 Australasia *see* New Zealand  
**Australia** *see also* Queensland Australia;  
   South Australia; Western Australia  
   geochemistry 117(1-2) 123-132  
**avulsion**  
   New Mexico, geomorphology 117(3-4) 207-219  
   Texas, geomorphology 117(3-4) 207-219  
   Wyoming, stratigraphy 114(1-4) 33-54  
 Baden-Wurtemberg Germany *see* Swabian Alb  
**Baegunsan Syncline**  
   sedimentary petrology 119(3-4) 219-238  
 Baikal (Lake) *see* Lake Baikal  
**Baja California**  
   sedimentary petrology 119(3-4) 263-274  
**ball-and-pillow**  
   Quebec 116(3-4) 261-274  
**Banan Formation**  
   sedimentary petrology 118(1-4) 55-76  
 Bangladesh *see* Bengal; Brahmaputra River;  
   Ganges River  
**Baroda India**  
   ground water 116(3-4) 251-260  
**barrier islands**  
   Denmark, sedimentary petrology 117(3-4) 221-244  
**basin analysis**  
   South Africa, sedimentation 120(1-4) 225-256  
**Basin and Range Province** *see also* New Mexico; Texas  
   geomorphology 117(3-4) 207-219  
   structural geology 116(1-2) 1-12  
**basins** *see also* fore-arc basins; foreland basins  
   Brazil, sedimentary petrology 116(1-2) 99-128  
   Canadian Shield  
     sedimentary petrology 120(1-4) 177-203  
     stratigraphy 120(1-4) 75-104  
   China, geochemistry 116(1-2) 129-141  
   France, sedimentary petrology 121(1-2) 53-70  
   Germany, sedimentary petrology 119(1-2) 47-83  
   Oman, sedimentary petrology 119(3-4) 297-309  
   South Africa, sedimentation 120(1-4) 225-256  
   Spain, diagenesis 121(1-2) 23-55  
   stratigraphy 121(3-4) 157-178  
   Thailand, sedimentary petrology 121(1-2) 97-119  
**bassanite**  
   Mali, sedimentary petrology 117(3-4) 193-205  
**Bathonian**  
   Spain 119(1-2) 85-102  
**Bay of Biscay**  
   sedimentary petrology 115(1-4) 81-110  
   beaches *see* littoral erosion  
   bed-load *see* bedload  
**bedding**  
   114(1-4) 1-9  
   France 121(1-2) 53-70  
   bedding plane irregularities *see* groove casts;  
     megaripples; ripple marks; scour casts  
**bedload**  
   Bangladesh, sedimentary petrology 121(3-4) 239-258  
**Belt Supergroup**  
   sedimentary petrology 120(1-4) 105-124  
**Bembridge Limestone**  
   sedimentary petrology 119(3-4) 275-295  
**Beneiza Flysch**  
   diagenesis 115(1-4) 267-288  
**Bengal**  
   sedimentary petrology 121(3-4) 239-258  
**ben-tonite**  
   Brazil 115(1-4) 175-184  
**Berry Islands**  
   diagenesis 119(1-2) 1-4  
**Betic Cordillera**  
   diagenesis 115(1-4) 267-288  
   Jurassic 114(1-4) 97-107  
   sedimentary petrology 119(1-2) 85-102;  
     119(1-2) 103-121; 119(1-2) 123-139  
 Big Horn Basin *see* Bighorn Basin  
**Big Horn County Wyoming**  
   stratigraphy 114(1-4) 33-54  
**Bighorn Basin**  
   stratigraphy 114(1-4) 33-54  
 Bihar India *see* Jharia India; Singhbhum India  
**biochemical sedimentation**  
   Italy, geochemistry 115(1-4) 301-313  
**bioclastic sedimentation**  
   118(1-4) 159-186  
   England 121(3-4) 179-190  
   Indian Ocean Islands 114(1-4) 109-130  
   Indiana 121(1-2) 1-21  
   New Zealand 121(1-2) 1-21  
   Oman 119(3-4) 297-309  
   Spain 121(1-2) 23-55  
   Western Australia 121(3-4) 149-156  
 biogenic structures *see* algal structures; bioherms; bioturbation; carbonate banks; stromatolites; stromatolites  
**biogeography**  
   France, Jurassic 114(1-4) 55-79  
**bioherms** *see also* mud mounds  
   118(1-4) 159-186  
   China, stratigraphy 114(1-4) 189-222  
   Russian Federation 118(1-4) 187-211  
**biologic evolution**  
   paleontology 117(3-4) 245-246  
 biological zones *see* biozones  
**biomicrite**  
   England 119(3-4) 275-295  
**biomineralization** 116(1-2) 81-97  
**biostratigraphy** *see also* biozones; paleoecology  
   Thailand, sedimentary petrology 121(1-2) 97-119  
**bioturbation**  
   Denmark 117(3-4) 221-244  
   United Kingdom 115(1-4) 33-51  
**biozones**  
   China, stratigraphy 114(1-4) 189-222  
   France, Jurassic 114(1-4) 55-79  
 Biscay Bay *see* Bay of Biscay  
 bitter spar *see* dolomite  
 bloating shale *see* shale  
**Blount County Alabama**  
   geochemistry 114(1-4) 223-236  
**Boniches Conglomerates**  
   Permian 114(1-4) 267-294  
**book reviews**  
   diagenesis 117(3-4) 249-250  
   Europe 121(1-2) 147  
   France, sedimentary rocks 117(3-4) 246-247  
   geochemistry 114(1-4) 321-322  
   geomorphology 116(3-4) 275; 117(3-4) 247-248  
   Miocene 119(3-4) 337-338  
   Netherlands, sedimentary petrology 114(1-4) 322-323  
   North Sea, petroleum 117(3-4) 248-249  
   paleontology 117(3-4) 245-246  
   soils 116(3-4) 276-277  
   Spain, sedimentary rocks 117(3-4) 246-247  
   stratigraphy 116(3-4) 277-279; 116(3-4) 279-280

- Boso Peninsula *see* Chiba Peninsula
- bottom currents**  
 Antarctic Ocean, sedimentary petrology 115(1-4) 185-214  
 Romania, sedimentary petrology 115(1-4) 289-300  
 sedimentary petrology 115(1-4) 53-80
- bottom features**  
 Atlantic Ocean, sedimentary petrology 115(1-4) 133-157
- bottom load *see* bedload
- Bouma sequence**  
 California, petroleum 115(1-4) 315-349  
 Romania 115(1-4) 289-300  
 Spain 115(1-4) 267-288
- Brachiopoda**  
 Atrypidae, Western Australia 121(3-4) 149-156  
 France, Jurassic 114(1-4) 55-79
- Brahmaputra River**  
 sedimentary petrology 121(3-4) 239-258
- braided streams**  
 Norway, sedimentary petrology 114(1-4) 131-161  
 sedimentary petrology 120(1-4) 257-274  
 South Africa, gold ores 120(1-4) 205-224  
 Spain, Permian 114(1-4) 267-294
- Brazil *see also* Parana Basin**  
 clay mineralogy 115(1-4) 175-184  
 sedimentary petrology, Maranhao Brazil 114(1-4) 163-188  
 sediments 115(1-4) 159-174
- Brazil Basin**  
 sedimentary petrology 115(1-4) 81-110;  
 115(1-4) 111-132; 115(1-4) 133-157  
 sediments 115(1-4) 159-174
- breccia**  
 Germany 119(1-2) 47-83
- Browns Cay**  
 diagenesis 119(1-2) 1-4
- burial diagenesis**  
 Alabama, geochemistry 114(1-4) 223-236  
 China 118(1-4) 127-140  
 geochemistry 116(1-2) 129-141  
 Denmark 121(3-4) 259-276  
 Egypt 119(3-4) 311-335; 121(1-2) 121-140  
 Germany 121(1-2) 71-95  
 India 119(1-2) 25-45  
 Indiana 121(1-2) 1-21  
 New Zealand 121(1-2) 1-21
- C-13/C-12**  
 China, geochemistry 116(1-2) 143-156  
 France, sedimentary petrology 118(1-4) 95-118  
 Pacific Ocean, geochemistry 114(1-4) 295-304  
 Spain
- geochemistry 114(1-4) 81-95; 121(3-4) 191-206  
 sedimentary petrology 119(1-2) 85-102
- Ca *see* calcium
- Cainozoic *see* Cenozoic
- Calatayud-Teruel Basin**  
 sedimentary petrology 119(3-4) 183-194  
 calcicrete *see* calcicrete
- calcite**  
 Alabama, geochemistry 114(1-4) 223-236  
 Egypt, sedimentary petrology 121(1-2) 121-140  
 England, diagenesis 121(3-4) 179-190  
 geochemistry 116(1-2) 13-24  
 Indiana, sedimentary petrology 121(1-2) 1-21  
 New Zealand, sedimentary petrology 121(1-2) 1-21  
 Spain, paleobotany 116(1-2) 81-97  
 Vermont, diagenesis 121(3-4) 277-288
- calcitization**  
 Spain, sedimentary petrology 119(3-4) 183-194
- calcium**  
 Spain, geochemistry 121(3-4) 191-206
- calcrete**  
 India 119(1-2) 25-45  
 ground water 116(3-4) 251-260  
 Spain, paleobotany 116(1-2) 81-97
- California**  
 petroleum, Carmel California 115(1-4) 315-349
- Camarena Formation**  
 sedimentary petrology 119(1-2) 85-102
- Cambrian**  
 China 114(1-4) 189-222; 121(1-2) 141-145  
 Egypt 121(1-2) 121-140
- Campanian**  
 Brazil 115(1-4) 175-184
- Campbellran Subgroup**  
 sedimentation 120(1-4) 225-256
- Campos Basin**  
 clay mineralogy 115(1-4) 175-184  
 sedimentary petrology 115(1-4) 133-157  
 sediments 115(1-4) 159-174
- Canada *see* Eastern Canada; Northwest Territories
- Canadian Shield**  
 sedimentary petrology  
 Slave Province 120(1-4) 125-152  
 Superior Province 120(1-4) 177-203  
 stratigraphy, Superior Province 120(1-4) 75-104  
 weathering  
 Churchill Province 120(1-4) 153-176  
 Superior Province 120(1-4) 153-176
- Canning Basin**  
 diagenesis 121(3-4) 149-156
- Cantabrian Basin**  
 clay mineralogy 116(3-4) 159-176
- Cap Ferret**  
 sedimentary petrology 115(1-4) 81-110
- carbon**  
 C-13/C-12  
 China 116(1-2) 143-156  
 France 118(1-4) 95-118  
 Pacific Ocean 114(1-4) 295-304  
 Spain 114(1-4) 81-95; 119(1-2) 85-102;  
 121(3-4) 191-206
- carbonate banks**  
 Russian Federation 118(1-4) 187-211
- carbonate platforms**  
 Atlantic Ocean  
 diagenesis 119(1-2) 1-4  
 sedimentary petrology 118(1-4) 3-36
- China  
 sedimentary petrology 118(1-4) 55-76;  
 118(1-4) 77-93; 118(1-4) 119-126;  
 118(1-4) 127-140  
 stratigraphy 114(1-4) 189-222; 121(1-2) 141-145  
 France, sedimentary petrology 118(1-4) 95-118  
 Greece, stratigraphy 117(1-2) 33-70  
 Greenland 117(3-4) 135-141  
 Iran, sedimentary petrology 118(1-4) 37-54  
 Korea, diagenesis 118(1-4) 141-157  
 Libya, geochemistry 116(3-4) 199-226  
 New Zealand 117(3-4) 135-141  
 Oman, sedimentary petrology 119(3-4) 297-309  
 reefs 118(1-4) 1-211  
 Russian Federation, sedimentary petrology 118(1-4) 187-211  
 sedimentary petrology 118(1-4) 159-186  
 South Africa, sedimentation 120(1-4) 225-256  
 Spain, sedimentary petrology 119(1-2) 103-121  
 Thailand, sedimentary petrology 121(1-2) 97-119
- carbonate ramps**  
 Iran, sedimentary petrology 118(1-4) 37-54  
 Thailand, sedimentary petrology 121(1-2) 97-119
- carbonate rocks *see also* calcicrete; carbonate platforms; carbonate sediments; dolomite; dolostone; grainstone; limestone; wackestone**  
 117(3-4) 249-250  
 Basin and Range Province 117(3-4) 143-149



- Great Plains 117(3-4) 143-149  
 Spain 119(1-2) 181  
 Western Australia 121(3-4) 149-156
- carbonate sediments** *see also* carbonate platforms; oolite  
 Mexico 119(3-4) 263-274
- carbonates** *see also* ankerite; aragonite; calcite; dolomite; magnesite; rhodochrosite  
 Italy, geochemistry 115(1-4) 301-313  
 carbonatization *see* calcitization; dolomitization
- Carboniferous** *see also* Mississippian; Pennsylvanian  
 116(3-4) 277-279  
 Korea 119(3-4) 219-238
- Carmel California**  
 petroleum 115(1-4) 315-349
- Carnian**  
 France 121(3-4) 207-237
- karst** *see* karst
- casts, groove *see* groove casts  
 casts, load *see* load casts
- cathodoluminescence** 114(1-4) 223-236;  
 116(1-2) 13-24; 118(1-4) 95-118; 121(1-2) 71-95
- Ce *see* cerium
- cement**  
 Egypt, sedimentary petrology 121(1-2) 121-140  
 Germany, sedimentary petrology 121(1-2) 71-95  
 Indiana, sedimentary petrology 121(1-2) 1-21  
 New Zealand, sedimentary petrology 121(1-2) 1-21
- Cenomanian**  
 Brazil 114(1-4) 163-188
- Cenozoic** *see also* Quaternary; Tertiary  
 Indiana 121(1-2) 1-21  
 New Zealand 121(1-2) 1-21
- Central Basin**  
 sedimentary petrology 118(1-4) 37-54
- Central Europe *see* Germany
- Central Indian Ridge**  
 sedimentary petrology 119(1-2) 25-45
- Central Massif *see* Montagne Noire
- cerium**  
 Spain, Jurassic 114(1-4) 97-107
- cesium**  
 Cs-137, Bangladesh 121(3-4) 239-258
- Chaibasa Formation**  
 sedimentary petrology 119(3-4) 239-252
- channel geometry**  
 Italy, sedimentary structures 115(1-4) 233-265
- channels**  
 France, sedimentary petrology 121(1-2) 53-70
- New Mexico, geomorphology 117(3-4) 207-219
- Texas, geomorphology 117(3-4) 207-219
- Chaunoy Formation**  
 Jurassic 121(3-4) 207-237
- Chazyan**  
 Vermont 121(3-4) 277-288
- chemical weathering**  
 Australia, geochemistry 117(1-2) 123-132  
 Egypt, geochemistry 116(3-4) 227-250  
 chemically precipitated rocks *see* evaporites; ferricrete; silcrete
- chert**  
 Australia, geochemistry 117(1-2) 123-132  
 Japan, geochemistry 119(3-4) 195-217  
 Spain 119(1-2) 85-102
- certification**  
 Spain 119(1-2) 85-102
- Chiba Peninsula**  
 sedimentary petrology 115(1-4) 351-381
- Chichibu Belt**  
 geochemistry 119(3-4) 195-217
- China** *see also* Guizhou China; Ningxia China; Shaanxi China; Shanxi China; Sichuan China  
 geochemistry, Ordos Basin 116(1-2) 129-141  
 sedimentary petrology  
 Ordos Basin 118(1-4) 127-140  
 Yangtze Platform 118(1-4) 55-76;  
 118(1-4) 77-93; 118(1-4) 119-126  
 stratigraphy 114(1-4) 189-222
- chlorides *see* halite
- chlorite**  
 Spain, clay mineralogy 116(3-4) 159-176
- Chlorophyceae *see* Codiaceae
- Chlorophyta *see* Chlorophyceae
- chorology *see* biogeography
- Churchill Province**  
 weathering 120(1-4) 153-176
- clastic rocks** *see also* arenite; argillite; bentonite; breccia; conglomerate; contourite; diatomaceous earth; eolianite; flysch; graywacke; molasse; mudstone; radiolarite; red beds; sandstone; shale; siliciclastics; siltstone; tempestite  
 120(1-4) 1-346  
 India 119(3-4) 239-252  
 South Australia 120(1-4) 55-74  
 Spain 116(1-2) 27-56
- clastic sediments** *see also* alluvium; gravel; mud; overbank sediments; pebbles; sand; till; turbidite  
 Antarctic Ocean 115(1-4) 185-214
- clay mineralogy** *see also* bentonite  
 Brazil 116(1-2) 99-128  
 Denmark 121(3-4) 259-276
- Spain 116(3-4) 159-176
- clay minerals** *see also* illite; kaolinite; palygorskite; smectite  
 England, stratigraphy 114(1-4) 305-319  
 cleat spar *see* ankerite
- Cleveland Bay**  
 Quaternary 117(1-2) 97-121  
 climatic orbital forcing *see* orbital forcing  
 climatology, paleo- *see* paleoclimatology  
 coastal features *see* shore features
- coastal plains**  
 Mexico, sedimentary petrology 119(3-4) 263-274
- coastal sedimentation**  
 Mexico 119(3-4) 263-274  
 stratigraphy 121(3-4) 157-178
- coastlines *see* shorelines
- Cocos Islands** 114(1-4) 109-130
- Codiaceae *see* Halimeda
- coefficient of permeability *see* hydraulic conductivity
- Coelenterata**  
 Anthozoa, England 121(3-4) 179-190  
 Scleractinia, sedimentary petrology 118(1-4) 159-186  
 Stromatoporoidea, Western Australia 121(3-4) 149-156
- colloquia *see* symposia
- Columbia Channel**  
 sedimentary petrology 115(1-4) 111-132
- common salt *see* halite
- Commonwealth of Independent States *see* Urals
- concretions**  
 Spain  
 Jurassic 114(1-4) 97-107  
 paleobotany 116(1-2) 81-97
- conferences *see* symposia
- conglomerate**  
 California, petroleum 115(1-4) 315-349  
 Northwest Territories 120(1-4) 125-152
- continental margin *see* continental slope; passive margins
- continental margin sedimentation**  
 115(1-4) 53-80; 120(1-4) 1-346  
 Atlantic Ocean 115(1-4) 111-132;  
 115(1-4) 133-157  
 Brazil 115(1-4) 159-174  
 France 118(1-4) 95-118  
 Japan 115(1-4) 351-381  
 geochemistry 119(3-4) 195-217  
 United Kingdom 115(1-4) 33-51
- continental seas *see* epicontinental seas
- Greenland 117(3-4) 135-141  
 New Zealand 117(3-4) 135-141
- contourite**  
 115(1-4) 1-386; 115(1-4) 53-80



- Antarctic Ocean 115(1-4) 185-214  
 Arctic Ocean 115(1-4) 3-31  
 Atlantic Ocean 115(1-4) 81-110; 115(1-4) 111-132; 115(1-4) 133-157  
 Cyprus 115(1-4) 215-231  
 Japan 115(1-4) 351-381  
 Romania 115(1-4) 289-300  
 South Africa 120(1-4) 319-335  
 United Kingdom 115(1-4) 33-51  
 coral reefs *see* reefs  
**Coral Sea**  
 Quaternary, Great Barrier Reef 117(1-2) 97-121  
 Cordillera Marianica *see* Betic Cordillera  
 crenulation cleavage *see* slip cleavage  
**Cretaceous**  
 Campanian, Brazil 115(1-4) 175-184  
 Cenomanian, Brazil 114(1-4) 163-188  
 Korea 119(1-2) 161-179  
 Maestrichtian  
 India 119(1-2) 25-45  
 Italy 115(1-4) 301-313  
 Purbeckian, England 121(3-4) 179-190  
 Santonian, Brazil 115(1-4) 175-184  
 Shuaiba Formation, sedimentary petrology 119(3-4) 297-309  
**cross-bedding**  
 Brazil 114(1-4) 163-188  
 Canadian Shield 120(1-4) 153-176  
 Greenland 120(1-4) 295-317  
**cross-laminations**  
 South Africa 120(1-4) 319-335  
**cross-stratification**  
 Mauritania 119(1-2) 141-159  
 Norway 114(1-4) 131-161  
 Queensland Australia 120(1-4) 275-294  
 Spain 116(1-2) 27-56  
 crossbedding *see* cross-bedding  
**crystal chemistry**  
 geochemistry 116(1-2) 13-24  
**Cs-137**  
 Bangladesh, sedimentary petrology 121(3-4) 239-258  
 cube spar *see* anhydrite  
 currents *see* bottom currents; turbidity currents  
 cyanobacteria *see* Renalcis  
**cyclostratigraphy**  
 New Zealand, paleomagnetism 117(3-4) 165-192  
**cyclothem**  
 New Zealand, Pliocene 116(1-2) 57-80  
**Cyprus**  
 sedimentary petrology 115(1-4) 215-231  
 Damkohler number *see* Reynolds number  
**debris flows**  
 sedimentary petrology 117(3-4) 151-164  
**decollement**  
 Arizona, structural geology 116(1-2) 1-12  
**Deep Sea Drilling Project** *see also* IPOD  
 sedimentary petrology 115(1-4) 3-31  
 deep-sea fans *see* submarine fans  
**Delaware Basin**  
 sedimentary petrology 117(3-4) 143-149  
**deltaic sedimentation**  
 120(1-4) 5-53  
 Bangladesh 121(3-4) 239-258  
**deltas**  
 Spain, Quaternary 117(1-2) 11-32  
**Denmark** *see also* Jutland; North Sea region  
 clay mineralogy 121(3-4) 259-276  
**desiccation**  
 Korea, sedimentary petrology 119(1-2) 161-179  
 detachment *see* decollement  
 detrital fan *see* alluvial fans  
**detrital sedimentation**  
 Canadian Shield 120(1-4) 177-203  
 Korea 119(3-4) 219-238  
 South Africa, gold ores 120(1-4) 205-224  
**Devonian**  
 Brazil 116(1-2) 99-128  
 Emsian, France 118(1-4) 95-118  
 Frasnian, Western Australia 121(3-4) 149-156  
 Lochkovian, France 118(1-4) 95-118  
**diachronism**  
 France, Jurassic 121(3-4) 207-237  
 Spain, diagenesis 121(1-2) 23-55  
 stratigraphy 121(3-4) 157-178  
**diagenesis** *see also* calcitization; dolomitization  
 117(3-4) 249-250  
 Atlantic Ocean 118(1-4) 3-36; 119(1-2) 1-4  
 Brazil 116(1-2) 99-128  
 burial diagenesis  
 Alabama 114(1-4) 223-236  
 China 116(1-2) 129-141; 118(1-4) 127-140  
 Denmark 121(3-4) 259-276  
 Egypt 119(3-4) 311-335; 121(1-2) 121-140  
 Germany 121(1-2) 71-95  
 India 119(1-2) 25-45  
 Indiana 121(1-2) 1-21  
 New Zealand 121(1-2) 1-21  
 chertification, Spain 119(1-2) 85-102  
 England 121(3-4) 179-190  
 geochemistry 116(1-2) 13-24  
 Pacific Ocean, geochemistry 114(1-4) 295-304  
 Saudi Arabia 120(1-4) 337-343  
 Spain 115(1-4) 267-288; 121(1-2) 23-55  
 geochemistry 114(1-4) 81-95  
 Vermont 121(3-4) 277-288  
 Western Australia 121(3-4) 149-156  
 diagonal lamination *see* cross-laminations  
 dialogite *see* rhodochrosite  
**diatomaceous earth**  
 Spain 121(1-2) 23-55  
**digitization**  
 Russian Federation, sedimentary petrology 121(3-4) 289-298  
**dish-and-pillar structures**  
 Saudi Arabia, diagenesis 120(1-4) 337-343  
 Dobruja Basin *see* Romanian Dobruja  
**dolomite**  
 Alabama, geochemistry 114(1-4) 223-236  
 China  
 geochemistry 116(1-2) 143-156  
 sedimentary petrology 118(1-4) 119-126  
 England, stratigraphy 114(1-4) 305-319  
 Germany, sedimentary petrology 121(1-2) 71-95  
 Korea, diagenesis 118(1-4) 141-157  
**dolomitic limestone**  
 China 118(1-4) 119-126  
 dolomite *see* dolostone  
**dolomitization** *see also* dolomite  
 China, sedimentary petrology 118(1-4) 127-140  
 Libya, geochemistry 116(3-4) 199-226  
**dolostone**  
 China 118(1-4) 55-76  
 Dona Ana County New Mexico *see* Hueco Bolson  
**Dunggo Formation**  
 sedimentary petrology 119(3-4) 219-238  
**Dosag Formation**  
 sedimentary petrology 119(3-4) 219-238  
**drainage patterns**  
 Spain, Permian 114(1-4) 267-294  
 dropstone *see* argillite  
**drumlins**  
 Arizona, structural geology 116(1-2) 1-12  
 dry delta *see* alluvial fans  
**DSDP** *see* Deep Sea Drilling Project  
**DSDP Site 503**  
 geochemistry 114(1-4) 295-304  
 dune rock *see* eolianite  
**Duparquet Basin**  
 sedimentary petrology 120(1-4) 177-203  
 earth, diatomaceous *see* diatomaceous earth  
**Earth-Moon couple**  
 South Australia, sedimentary petrology 120(1-4) 55-74

- earthquake sea wave *see* tsunamis  
 earthquakes *see* paleoseismicity  
 East Pacific *see* Galapagos Rift; Northeast Pacific  
 East Pakistan *see* Bangladesh  
 Eastern Canada *see* Quebec  
**Eastern Desert**  
   geochemistry 116(3-4) 227-250  
   sedimentary petrology 121(1-2) 121-140  
**Ebro Basin**  
   clay mineralogy 116(3-4) 159-176  
   Quaternary 117(1-2) 11-32  
**Ebro River**  
   Quaternary 117(1-2) 11-32  
 Ebro River basin *see* Ebro Basin  
 economic geology *see* natural gas; petroleum; shale  
 Eerdusi Basin *see* Ordos Basin  
 eggstone *see* oolite  
**Egypt**  
   geochemistry, Eastern Desert 116(3-4) 227-250  
   sedimentary petrology  
     Eastern Desert 121(1-2) 121-140  
     Sinai Egypt 119(3-4) 311-335  
**El Paso County Texas**  
   geomorphology 117(3-4) 207-219  
**electrical logging**  
   France, Jurassic 121(3-4) 207-237  
**electron microscopy**  
   Russian Federation, sedimentary petrology 121(3-4) 289-298  
 Emilia-Romagna Italy *see* Parma Italy  
**Emsian**  
   France 118(1-4) 95-118  
 engineering geology *see* earthquakes; geologic hazards  
**England**  
   diagenesis 121(3-4) 179-190  
   sedimentary petrology, Isle of Wight England 119(3-4) 275-295  
   stratigraphy 114(1-4) 305-319  
**entrainment threshold**  
   sedimentary petrology 119(1-2) 17-23  
 environmental geology *see* geologic hazards  
**Eocene**  
   England 119(3-4) 275-295  
   Willwood Formation 114(1-4) 33-54  
 Eocene *see* Paleogene  
**euilanthite**  
   Greenland 120(1-4) 295-317  
   Queensland Australia 120(1-4) 275-294  
 epeiric seas *see* epicontinental seas  
**epirogeny**  
   South Africa, sedimentary petrology 120(1-4) 319-335  
**epicontinental seas**  
   Spain, sedimentary petrology 119(1-2) 123-139  
 Erduos Basin *see* Ordos Basin  
**Eriksfjord Formation**  
   sedimentary petrology 120(1-4) 295-317  
**erosion** *see also* littoral erosion  
   Portugal, stratigraphy 114(1-4) 237-266  
   Quebec, sedimentary petrology 116(3-4) 261-274  
   sedimentary petrology 114(1-4) 1-9  
**erosion surfaces**  
   stratigraphy 121(3-4) 157-178  
**Erqiao Formation**  
   sedimentary petrology 118(1-4) 55-76  
**estuarine sedimentation**  
   Quebec 116(3-4) 261-274  
**eugsterite**  
   Mali, sedimentary petrology 117(3-4) 193-205  
**Eurasia**  
   areal geology 121(1-2) 147  
**Europe** *see also* Central Europe; Pyrenees; Southern Europe; Western Europe  
   areal geology 121(1-2) 147  
   sedimentary petrology  
     Jutland 117(3-4) 221-244  
     Meuse River 114(1-4) 322-323  
     Pechora Russian Federation 118(1-4) 187-211  
     Rhine River 114(1-4) 322-323  
     Romanian Dobruja 115(1-4) 289-300  
**eustasy**  
   Mediterranean region, Quaternary 116(1-2) 157-158  
   Spain, sedimentary petrology 119(1-2) 123-139  
**evaporites** *see also* anhydrite; dolomite; gypsum  
   Spain 116(3-4) 159-176; 121(1-2) 23-55  
**extension tectonics**  
   France, sedimentary petrology 118(1-4) 95-118  
   Germany, sedimentary petrology 119(1-2) 47-83  
**Faeroe-Shetland Channel**  
   sediments 115(1-4) 33-51  
 Far East *see* China; Japan; Korea; Thailand  
 Farther India *see* Indochina  
**faults** *see also* decollement; gouge; shear zones  
   France, Jurassic 121(3-4) 207-237  
   transfer faults  
     Germany 119(1-2) 47-83  
     Spain 114(1-4) 267-294  
 Fe *see* iron  
 features, bottom *see* bottom features  
 features, shore *see* shore features  
 features, solution *see* solution features  
**ferricrete**  
   Egypt 119(3-4) 311-335  
   ferroan dolomite *see* ankerite  
**ferromanganese crusts**  
   Spain, Jurassic 114(1-4) 97-107  
**fine-grained materials**  
   France, sedimentary petrology 121(1-2) 53-70  
 Finnmark Norway *see* Varanger Peninsula  
**flame structures**  
   India 119(3-4) 253-261  
**floodplains**  
   Bangladesh, sedimentary petrology 121(3-4) 239-258  
   New Mexico 117(3-4) 207-219  
   sedimentary petrology 114(1-4) 1-9  
   Texas 117(3-4) 207-219  
   Wyoming, stratigraphy 114(1-4) 33-54  
**fluid inclusions**  
   Alabama, geochemistry 114(1-4) 223-236  
 fluvial features *see* floodplains; meanders; rivers  
**fluvial sedimentation** *see also* glaciofluvial sedimentation  
   114(1-4) 1-9  
   Bangladesh 121(3-4) 239-258  
 fluvial sediments *see* stream sediments  
 fluvial transport *see* stream transport  
**flysch**  
   China 118(1-4) 55-76  
   Italy 115(1-4) 233-265  
   geochemistry 115(1-4) 301-313  
**fold and thrust belts**  
   Thailand, sedimentary petrology 121(1-2) 97-119  
**folds**  
   synclines, Portugal 114(1-4) 237-266  
**foliation**  
   slip cleavage, Arizona 116(1-2) 1-12  
**Foraminifera**  
   New Zealand, paleomagnetism 117(3-4) 165-192  
   Thailand, sedimentary petrology 121(1-2) 97-119  
**fore-arc basins**  
   Japan, sedimentary petrology 115(1-4) 351-381  
**foreland basins**  
   France, sedimentary rocks 117(3-4) 246-247  
   Korea, sedimentary petrology 119(3-4) 219-238  
   Spain, sedimentary rocks 117(3-4) 246-247

fossil soils *see* Paleosols

# fractures

Germany, sedimentary petrology 121(1-2) 71-95

framework silicates *see* silica minerals

# France

Jurassic, Paris Basin 114(1-4) 55-79; 121(3-4) 207-237

## Quaternary

French Alps 117(1-2) 71-96

Savoie France 117(1-2) 71-96

sedimentary petrology 121(1-2) 53-70

Montagne Noire 118(1-4) 95-118

Tarn France 118(1-4) 95-118

sedimentary rocks 117(3-4) 246-247

# Frasnian

Western Australia 121(3-4) 149-156

# French Alps

Quaternary 117(1-2) 71-96

French Indochina *see* Indochina

# Furnas Formation

sedimentary petrology 116(1-2) 99-128

# Galapagos Rift

geochemistry 114(1-4) 295-304

# Gamohaan Formation

sedimentation 120(1-4) 225-256

# Ganges River

sedimentary petrology 121(3-4) 239-258

# gas hydrates

Pacific Ocean, geochemistry 114(1-4) 295-304

# Gastropoda

Indian Ocean Islands 114(1-4) 109-130

# Gauss Chron

New Zealand 117(3-4) 165-192

# Gavrovo-Tripolitza carbonate platform

stratigraphy 117(1-2) 33-70

# geochemical anomalies

China, geochemistry 116(1-2) 129-141

Spain, Jurassic 114(1-4) 97-107

# geochemistry

lithochemistry

Australia 117(1-2) 123-132

China 116(1-2) 143-156

Egypt 116(3-4) 227-250

Japan 119(3-4) 195-217

Libya 116(3-4) 199-226

Spain 119(1-2) 85-102; 119(3-4) 183-194

geochronology *see* absolute age; Archean;

Cambrian; Carboniferous; Cenozoic; Creta-

ceous; Devonian; Eocene; Holocene; Juras-

sic; Mesozoic; Miocene; Mississippian;

Neogene; Oligocene; Ordovician; Paleo-

cene; Paleogene; Permian; Pleistocene;

Pliocene; Precambrian; Proterozoic; Qua-

ternary; Silurian; Tertiary; Triassic

geologic hazards *see* floods

geological oceanography *see* marine geology

geomorphic geology *see* geomorphology

# geomorphologic controls

South Africa, gold ores 120(1-4) 205-224

# geomorphologic effects

Arizona, structural geology 116(1-2) 1-12

# geomorphologic maps

New Mexico, geomorphology 117(3-4)

207-219

Texas, geomorphology 117(3-4) 207-219

geomorphology *see also* glacial geology;

mass movements; sea-level changes; shore

features; solution features; weathering

116(3-4) 275; 117(3-4) 247-248

geophysical profiles *see* seismic profiles

geophysical surveys *see also* seismic meth-

ods

France, Quaternary 117(1-2) 71-96

Greenland 117(3-4) 135-141

New Zealand 117(3-4) 135-141

geotectonics *see* tectonics

# Germany

geochemistry

Mecklenburg 116(3-4) 177-198

North German Plain 116(3-4) 177-198

sedimentary petrology

Saar-Nahe Basin 119(1-2) 47-83

Swabian Alb 121(1-2) 71-95

glacial features *see* drumlins

glacial geology *see also* ancient ice ages;

drumlins; glaciation; ice sheets; till

Mediterranean region, Quaternary

116(1-2) 157-158

New Zealand, paleomagnetism 117(3-4)

165-192

glacial maximum, last *see* last glacial maxi-

mum

glacial sedimentation *see also* glaciofluvial

sedimentation

120(1-4) 5-53

# glaciation

Greenland 117(3-4) 135-141

New Zealand 117(3-4) 135-141

# glaciofluvial sedimentation

Quebec 116(3-4) 261-274

glaciology *see* glacial geology

# glauberite

Mali, sedimentary petrology 117(3-4)

193-205

# Gohan Formation

sedimentary petrology 119(3-4) 219-238

# gold ores

South Africa 120(1-4) 205-224

# Gondwana

Mauritania, sedimentary petrology

119(1-2) 141-159

Gondwana System *see* lower Gondwana Sys-

tem

Gotlandian *see* Silurian

# gouge

Arizona, structural geology 116(1-2) 1-12

# grainstone

China, stratigraphy 114(1-4) 189-222

Indiana 121(1-2) 1-21

New Zealand 121(1-2) 1-21

Grande River *see* Rio Grande

grauwacke *see* graywacke

gravel 117(3-4) 151-164

# graywacke

Egypt, geochemistry 116(3-4) 227-250

# Great Bahama Bank

117(3-4) 135-141

diagenesis 119(1-2) 1-4

sedimentary petrology 118(1-4) 3-36

# Great Barrier Reef

Quaternary 117(1-2) 97-121

Great Britain *see also* England

sediments 115(1-4) 33-51

Great Plains *see* New Mexico; Oklahoma;

Texas

# Greece

stratigraphy, Peloponnesus Greece

117(1-2) 33-70

# greenhouse effect

Vermont, diagenesis 121(3-4) 277-288

# Greenland

117(3-4) 135-141

sedimentary petrology 120(1-4) 295-317

graywacke *see* graywacke

# Griqualand West Basin

sedimentary petrology 120(1-4) 319-335

sedimentation 120(1-4) 225-256

# groove casts

Mauritania 119(1-2) 141-159

ground water *see* alluvium aquifers; aquifers

groundwater *see* ground water

# Guadalupian

Basin and Range Province 117(3-4) 143-

149

Great Plains 117(3-4) 143-149

# Guatemala Basin

geochemistry 114(1-4) 295-304

Guizhou China *see* Yangtze Platform

Gujarat India *see* Baroda India

Gulf of Gascony *see* Bay of Biscay

# Gulf of Suez

sedimentary petrology 121(1-2) 121-140

Gyeongsang Basin *see* Kyongsang Basin

# gypsum

China, geochemistry 116(1-2) 143-156

Egypt, sedimentary petrology 121(1-2)

121-140

Mali, sedimentary petrology 117(3-4)

- 193-205  
 Spain  
   geochemistry 121(3-4) 191-206  
   sedimentary petrology 119(3-4) 183-194
- half grabens**  
 New Mexico, geomorphology 117(3-4) 207-219  
 Portugal, stratigraphy 114(1-4) 237-266  
 Texas, geomorphology 117(3-4) 207-219
- halides** *see* chlorides
- Halimeda**  
 Indian Ocean Islands 114(1-4) 109-130
- halite**  
 Egypt, sedimentary petrology 121(1-2) 121-140
- Hasandong Formation**  
 sedimentary petrology 119(1-2) 161-179
- Haslingden Group**  
 sedimentation 120(1-4) 275-294  
 hazards, geologic *see* geologic hazards  
 heterochrony *see* diachronism  
 Hexacorallia *see* Scleractinia  
 High Plains *see* Great Plains
- Histria Formation**  
 sedimentary petrology 115(1-4) 289-300
- Holland *see* Netherlands
- Holocene**  
 Bangladesh 121(3-4) 239-258  
 Brazil 115(1-4) 159-174  
 Mali 117(3-4) 193-205  
 Netherlands 114(1-4) 322-323  
 Queensland Australia 117(1-2) 97-121  
 Spain 117(1-2) 11-32
- Honshu *see* Chiba Peninsula; Miura Peninsula
- hornstone *see* chert
- Hueco Bolson**  
 geomorphology 117(3-4) 207-219
- hummocky cross-stratification**  
 China, stratigraphy 114(1-4) 189-222  
 Spain 119(1-2) 103-121
- Huobachong Formation**  
 sedimentary petrology 118(1-4) 55-76
- hurricanes**  
 Atlantic Ocean, sedimentary petrology 118(1-4) 3-36
- hydrates, gas *see* gas hydrates
- hydraulic conductivity**  
 New Zealand, sedimentary petrology 119(1-2) 5-16
- hydrogeology *see* ground water
- hydrology** *see also* floods  
 Atlantic Ocean 115(1-4) 133-157
- Iberian Mountains**  
 Permian 114(1-4) 267-294
- Iberian Peninsula *see* Portugal; Spain
- ice sheets**  
 Arizona, structural geology 116(1-2) 1-12
- igneous rocks**  
 pumice, New Zealand 119(1-2) 5-16  
 tuffite, Thailand 121(1-2) 97-119
- illite**  
 Brazil  
   clay mineralogy 115(1-4) 175-184  
   sedimentary petrology 116(1-2) 99-128  
 Spain, clay mineralogy 116(3-4) 159-176
- image analysis**  
 Russian Federation, sedimentary petrology 121(3-4) 289-298
- imbrication** 117(3-4) 151-164  
 inclusions *see* fluid inclusions
- India**  
 ground water, Baroda India 116(3-4) 251-260  
 sedimentary petrology  
   Jharia India 119(3-4) 253-261  
   Narmada Valley 119(1-2) 25-45  
   Singbhum India 119(3-4) 239-252
- Indian Ocean** *see also* Red Sea  
 114(1-4) 109-130  
 sedimentary petrology 115(1-4) 3-31  
 Central Indian Ridge 119(1-2) 25-45
- Indian Ocean Islands** 114(1-4) 109-130
- Indian Peninsula *see* Bangladesh; Bengal; India
- Indiana**  
 sedimentary petrology 121(1-2) 1-21
- Indochina**  
 sedimentary petrology 121(1-2) 97-119  
 inland seas *see* epicontinental seas  
 inner transition elements *see* rare earths  
 Invertebrata *see* Brachiopoda; Coelenterata; Mollusca; Porifera; Protista  
 IPOD *see* Leg 68
- Iran**  
 sedimentary petrology 118(1-4) 37-54
- iron**  
 Spain, Jurassic 114(1-4) 97-107
- iron oxides**  
 Denmark, clay mineralogy 121(3-4) 259-276
- Isle of Wight England**  
 sedimentary petrology 119(3-4) 275-295
- isothermal remanent magnetization**  
 Kansas, paleomagnetism 114(1-4) 11-32
- isotopes** *see also* strontium; sulfur  
 C-13/C-12  
   China 116(1-2) 143-156  
   France 118(1-4) 95-118  
   Pacific Ocean 114(1-4) 295-304  
   Spain 114(1-4) 81-95; 119(1-2) 85-102; 121(3-4) 191-206
- Cs-137, Bangladesh 121(3-4) 239-258  
 geochemistry 114(1-4) 321-322
- O-18/O-16**  
 Alabama 114(1-4) 223-236  
 Australia 117(1-2) 123-132  
 China 116(1-2) 143-156  
 France 118(1-4) 95-118  
 Korea 118(1-4) 141-157  
 Libya 116(3-4) 199-226  
 New Zealand 117(3-4) 165-192  
 Pacific Ocean 114(1-4) 295-304  
 Spain 114(1-4) 81-95; 119(1-2) 85-102; 119(3-4) 183-194; 121(3-4) 191-206  
 Pb-210, Bangladesh 121(3-4) 239-258  
 Sr-87/Sr-86  
   Alabama 114(1-4) 223-236  
   Egypt 121(1-2) 121-140  
   Japan 119(3-4) 195-217  
   Pacific Ocean 114(1-4) 295-304
- Italy** *see also* Apennines  
 geochemistry  
   Milan Italy 115(1-4) 301-313  
   Parma Italy 115(1-4) 301-313  
 sedimentary structures, Sicily Italy 115(1-4) 233-265
- Japan**  
 geochemistry  
   Chichibu Belt 119(3-4) 195-217  
   Kumamoto Japan 119(3-4) 195-217  
   Oita Japan 119(3-4) 195-217  
 sedimentary petrology  
   Chiba Peninsula 115(1-4) 351-381  
   Miura Peninsula 115(1-4) 351-381
- Jefferson County Alabama**  
 geochemistry 114(1-4) 223-236
- Jharia India**  
 sedimentary petrology 119(3-4) 253-261
- Jialingjiang Formation**  
 sedimentary petrology 118(1-4) 119-126
- Joulter's Cay**  
 diagenesis 119(1-2) 1-4
- Jurassic**  
 Bathonian, Spain 119(1-2) 85-102  
 England 121(3-4) 179-190  
 France 114(1-4) 55-79; 121(3-4) 207-237  
 Germany 121(1-2) 71-95  
 Kimmeridgian, Spain 119(1-2) 123-139  
 Lusitanian, Portugal 114(1-4) 237-266  
 Spain 114(1-4) 97-107; 119(1-2) 103-121  
 Tithonian, Spain 119(1-2) 85-102
- Jutland**  
 sedimentary petrology 117(3-4) 221-244
- Kaapvaal Craton**  
 sedimentation 120(1-4) 225-256
- Kansas**  
 paleomagnetism, Manhattan Kansas 114(1-4) 11-32  
 kaolinisation *see* kaolinization

- kaolinite**  
 Brazil, sedimentary petrology 116(1-2) 99-128  
 Egypt, sedimentary petrology 121(1-2) 121-140  
 Spain, clay mineralogy 116(3-4) 159-176
- kaolinization**  
 Brazil, sedimentary petrology 116(1-2) 99-128  
 Egypt, sedimentary petrology 119(3-4) 311-335
- karst** *see also* karstification  
 Spain, geochemistry 114(1-4) 81-95
- karstification**  
 Atlantic Ocean, sedimentary petrology 118(1-4) 3-36
- Kenorland**  
 stratigraphy 120(1-4) 75-104
- Keskarrah Formation**  
 sedimentary petrology 120(1-4) 125-152
- Keuper**  
 France 121(3-4) 207-237
- Kimmeridgian**  
 Spain 119(1-2) 123-139
- Kirkland Basin**  
 sedimentary petrology 120(1-4) 177-203
- Komi Russian Federation** *see* Pechora Russian Federation
- Korea**  
 diagenesis, South Korea 118(1-4) 141-157  
 sedimentary petrology  
 Kyongsang Basin 119(1-2) 161-179  
 South Korea 119(3-4) 219-238
- Kronprins Christian Land**  
 sedimentary petrology 120(1-4) 257-274
- Kumamoto Japan**  
 geochemistry 119(3-4) 195-217
- Kweichow China** *see* Guizhou China
- Kyongsang Basin**  
 sedimentary petrology 119(1-2) 161-179
- Kyushu** *see* Kumamoto Japan; Oita Japan
- lacustrine sedimentation**  
 120(1-4) 5-53  
 France, Quaternary 117(1-2) 71-96  
 New Zealand 119(1-2) 5-16
- lacustrine sediments** *see* lake sediments
- Ladinian**  
 France 121(1-2) 53-70
- Laishike Formation**  
 sedimentary petrology 118(1-4) 55-76
- Lake Annecy**  
 Quaternary 117(1-2) 71-96
- Lake Baikal**  
 sedimentary petrology 121(3-4) 289-298
- lake sediments**  
 France, Quaternary 117(1-2) 71-96
- Russian Federation 121(3-4) 289-298  
 Spain 119(3-4) 183-194  
 geochemistry 121(3-4) 191-206
- lake-level changes**  
 England, sedimentary petrology 119(3-4) 275-295
- Lameta Basin**  
 sedimentary petrology 119(1-2) 25-45
- laminar flow**  
 Spain, diagenesis 115(1-4) 267-288
- laminations**  
 England 119(3-4) 275-295  
 stratigraphy 114(1-4) 305-319  
 Montana 120(1-4) 105-124  
 Norway 114(1-4) 131-161  
 Russian Federation 121(3-4) 289-298  
 Spain 115(1-4) 267-288
- lanthanoans** *see* rare earths
- last glacial maximum**  
 France, Quaternary 117(1-2) 71-96
- lead**  
 Pb-210, Bangladesh 121(3-4) 239-258
- Leftkara Formation**  
 sedimentary petrology 115(1-4) 215-231  
 Leg 68 *see* DSDP Site 503  
 Leg 138 *see* ODP Site 846
- Libya**  
 geochemistry, Sirte Basin 116(3-4) 199-226
- limestone** *see also* biomicrite; dolomitic limestone; dolomitization; micrite; oolitic limestone  
 China 118(1-4) 55-76; 118(1-4) 77-93  
 Cyprus 115(1-4) 215-231  
 England 121(3-4) 179-190  
 France 118(1-4) 95-118; 121(1-2) 53-70  
 geochemistry 116(1-2) 13-24  
 Greece, stratigraphy 117(1-2) 33-70  
 Indiana 121(1-2) 1-21  
 Iran 118(1-4) 37-54  
 New Zealand 121(1-2) 1-21  
 Russian Federation 118(1-4) 187-211  
 Spain 119(1-2) 123-139
- liquefaction**  
 India, sedimentary petrology 119(3-4) 239-252; 119(3-4) 253-261
- liquid inclusions** *see* fluid inclusions
- lithochemisrty**  
 Australia 117(1-2) 123-132  
 China 116(1-2) 143-156  
 Egypt 116(3-4) 227-250  
 Japan 119(3-4) 195-217  
 Libya 116(3-4) 199-226  
 Spain, sedimentary petrology 119(1-2) 85-102; 119(3-4) 183-194
- lithostratigraphy**  
 119(3-4) 337-338; 121(3-4) 157-178
- Basin and Range Province, sedimentary petrology 117(3-4) 143-149  
 Canadian Shield 120(1-4) 75-104  
 Great Plains, sedimentary petrology 117(3-4) 143-149  
 Greece 117(1-2) 33-70  
 India, sedimentary petrology 119(1-2) 25-45  
 New Zealand 116(1-2) 57-80  
 Portugal 114(1-4) 237-266  
 Spain 114(1-4) 97-107  
 Quaternary 117(1-2) 11-32  
 sedimentary petrology 116(1-2) 27-56
- lithotypes**  
 California, petroleum 115(1-4) 315-349
- littoral drift**  
 United Kingdom, sediments 115(1-4) 33-51
- littoral erosion**  
 Mexico, sedimentary petrology 119(3-4) 263-274
- load casts**  
 India 119(3-4) 253-261
- Lochkovian**  
 France 118(1-4) 95-118  
 Lombardy Italy *see* Milan Italy  
 longshore drift *see* littoral drift
- Lorca Basin**  
 diagenesis 121(1-2) 23-55
- low stands** *see* lowstands
- Lower Cretaceous** *see* Aptian; Purbeckian  
 Lower Devonian *see* Emsian; Lochkovian  
 lower Eocene *see* Willwood Formation
- lower Gondwana System**  
 sedimentary petrology 119(3-4) 253-261
- lower Neogene** *see* Miocene
- Lower Permian** *see* Asselian
- lower Precambrian** *see* Archean
- Lower Silurian** *see* Wenlockian
- lowstands**  
 Mediterranean region, Quaternary 116(1-2) 157-158
- Ludlovian**  
 Russian Federation 118(1-4) 187-211
- Lusitanian**  
 Portugal 114(1-4) 237-266
- Maas River** *see* Meuse River
- Maastrichtian** *see* Maastrichtian  
 madrepores *see* Scleractinia
- Madrid Basin**  
 geochemistry 114(1-4) 81-95  
 paleobotany 116(1-2) 81-97  
 sedimentary petrology 119(1-2) 181
- Madrid Spain**  
 paleobotany 116(1-2) 81-97
- Maastrichtian**  
 India 119(1-2) 25-45



- Italy 115(1-4) 301-313  
 magnesian limestone *see* dolomitic limestone  
 magnesian spar *see* dolomite  
**magnesite**  
 Spain, sedimentary petrology 119(3-4) 183-194  
**magnesium**  
 Germany, sedimentary petrology 121(1-2) 71-95  
 Spain, geochemistry 114(1-4) 81-95; 121(3-4) 191-206  
**Magnetic Island**  
 Quaternary 117(1-2) 97-121  
**magnetic minerals**  
 Kansas, paleomagnetism 114(1-4) 11-32  
**magnetic susceptibility**  
 Antarctic Ocean, sedimentary petrology 115(1-4) 185-214  
 Kansas, paleomagnetism 114(1-4) 11-32  
 magnetism, paleo- *see* paleomagnetism  
 magnetization *see* remanent magnetization  
**magnetostratigraphy**  
 France, Jurassic 114(1-4) 55-79  
 New Zealand, paleomagnetism 117(3-4) 165-192  
**Majjagou Formation**  
 sedimentary petrology 118(1-4) 127-140  
**Mali**  
 sedimentary petrology 117(3-4) 193-205  
**manganese**  
 geochemistry 116(1-2) 13-24  
 Spain, Jurassic 114(1-4) 97-107  
 manganese nodules *see* nodules  
**Mangaweka Mudstone**  
 paleomagnetism 117(3-4) 165-192  
**Manhang Formation**  
 sedimentary petrology 119(3-4) 219-238  
**Manhattan Kansas**  
 paleomagnetism 114(1-4) 11-32  
**maps**  
 geomorphologic maps  
 New Mexico 117(3-4) 207-219  
 Texas 117(3-4) 207-219  
**Maranhao Brazil**  
 sedimentary petrology 114(1-4) 163-188  
 margin, continental *see* continental margin  
**Maricopa County Arizona**  
 structural geology 116(1-2) 1-12  
 marine geology *see* bottom features; ocean circulation; ocean floors; sea water  
**marine sedimentation** *see also* marine transport  
 115(1-4) 53-80; 120(1-4) 5-53  
 Antarctic Ocean 115(1-4) 185-214  
 Arctic Ocean 115(1-4) 3-31  
 Atlantic Ocean 115(1-4) 81-110; 115(1-4) 111-132; 115(1-4) 133-157  
 Brazil 115(1-4) 175-184  
 France 118(1-4) 95-118  
 Iran 118(1-4) 37-54  
 Italy 115(1-4) 233-265  
**marine sediments**  
 Bangladesh 121(3-4) 239-258  
 Greenland 117(3-4) 135-141  
 New Zealand 117(3-4) 135-141  
**marine transport**  
 Greenland 117(3-4) 135-141  
 New Zealand 117(3-4) 135-141  
**mass movements** *see also* debris flows; liquefaction  
 Brazil, sediments 115(1-4) 159-174  
 China, sedimentary petrology 118(1-4) 77-93  
 Greenland 117(3-4) 135-141  
 New Zealand 117(3-4) 135-141  
**Mauritania**  
 sedimentary petrology 119(1-2) 141-159  
**meanders**  
 New Mexico 117(3-4) 207-219  
 sedimentary petrology 120(1-4) 257-274  
 Texas 117(3-4) 207-219  
 mechanical erosion *see* abrasion  
**Mecklenburg**  
 geochemistry 116(3-4) 177-198  
**Mediterranean Sea**  
 Quaternary 116(1-2) 157-158  
 meetings *see* symposia  
**megaripples**  
 France, Jurassic 121(3-4) 207-237  
 Mesoproterozoic *see* Belt Supergroup  
**Mesozoic** *see also* Cretaceous; Jurassic; Triassic  
 China 116(1-2) 129-141  
 Greece 117(1-2) 33-70  
**Messinian**  
 Spain 116(1-2) 27-56; 121(1-2) 23-55  
 meta-turbidite *see* turbidite  
 metal ores *see* gold ores  
 metals *see* alkaline earth metals; iron; manganese; rare earths  
**metamorphic rocks**  
 metasedimentary rocks  
 Canadian Shield 120(1-4) 75-104  
 India 119(3-4) 239-252  
**metasedimentary rocks**  
 Canadian Shield, stratigraphy 120(1-4) 75-104  
 India 119(3-4) 239-252  
**metasomatism**  
 kaolinization  
 Brazil 116(1-2) 99-128  
 Egypt 119(3-4) 311-335  
 metaturbidite *see* turbidite  
**Meuse River**  
 sedimentary petrology 114(1-4) 322-323  
**Mexico**  
 sedimentary petrology, Baja California 119(3-4) 263-274  
**Mg** *see* magnesium  
**micrite**  
 Italy, geochemistry 115(1-4) 301-313  
 Spain, geochemistry 114(1-4) 81-95  
 microbial mats *see* algal mats  
**Microcodium**  
 Spain 116(1-2) 81-97  
 sedimentary petrology 119(1-2) 181  
 microscopy, electron *see* electron microscopy  
 Mid-Indian Ridge *see* Central Indian Ridge  
 Middle East *see* Cyprus; Iran  
 Middle Jurassic *see* Bathonian  
 Middle Ordovician *see* Chazy  
 Middle Triassic *see* Anisian; Ladinian; Muschelkalk  
**Milan Italy**  
 geochemistry 115(1-4) 301-313  
 Milankovitch forcing *see* orbital forcing  
**Milanos Formation**  
 sedimentary petrology 119(1-2) 103-121  
 mineral chemistry *see* crystal chemistry  
 mineral deposits, genesis *see* geomorphologic controls; placers  
 mineral soap *see* bentonite  
 mineralogy *see* carbonates  
**Miocene**  
 119(3-4) 337-338  
 Denmark 117(3-4) 221-244  
 Iran 118(1-4) 37-54  
 Italy 115(1-4) 233-265  
 Japan 115(1-4) 351-381  
 Messinian, Spain 116(1-2) 27-56; 121(1-2) 23-55  
 Spain 114(1-4) 81-95; 115(1-4) 267-288; 116(1-2) 81-97; 119(1-2) 181; 119(3-4) 183-194; 121(3-4) 191-206  
 Tortonian, Spain 121(1-2) 23-55  
**Mississippi River**  
 sedimentary petrology 114(1-4) 1-9  
**Mississippian**  
 Indiana 121(1-2) 1-21  
 New Zealand 121(1-2) 1-21  
**Miura Group**  
 sedimentary petrology 115(1-4) 351-381  
**Miura Peninsula**  
 sedimentary petrology 115(1-4) 351-381  
**Mn** *see* manganese  
**molasse**  
 China 118(1-4) 55-76

**Mollusca**

- England, diagenesis 121(3-4) 179-190  
 Gastropoda, Indian Ocean Islands 114(1-4)  
 109-130

**Montagne Noire**

- sedimentary petrology 118(1-4) 95-118

**Montana see Belt Supergroup****Monterey County California see Carmel California****Mount Isa Inlier**

- sedimentation 120(1-4) 275-294  
 movements, mass *see* mass movements

**mud**

- Atlantic Ocean 115(1-4) 81-110  
 Quebec 116(3-4) 261-274  
 Queensland Australia, Quaternary  
 117(1-2) 97-121

**mud mounds**

- France 118(1-4) 95-118

**mudstone**

- China 118(1-4) 55-76  
 stratigraphy 114(1-4) 189-222  
 England, stratigraphy 114(1-4) 305-319  
 Greece, stratigraphy 117(1-2) 33-70  
 Korea 119(1-2) 161-179  
 New Zealand, paleomagnetism 117(3-4)  
 165-192  
 Romania 115(1-4) 289-300  
 South Africa 120(1-4) 319-335  
 Spain 116(3-4) 159-176  
 geochemistry 114(1-4) 81-95

**Murcia Spain**

- diagenesis 121(1-2) 23-55

**Muschelkalk**

- France 121(1-2) 53-70

**Naqus Formation**

- sedimentary petrology 121(1-2) 121-140

**Narmada Valley**

- sedimentary petrology 119(1-2) 25-45

**natural gas**

- China, sedimentary petrology 118(1-4)  
 127-140

**natural remanent magnetization**

- Antarctic Ocean, sedimentary petrology  
 115(1-4) 185-214  
 Kansas, paleomagnetism 114(1-4) 11-32

**Nauga Formation**

- sedimentation 120(1-4) 225-256

**Navarra Spain see Pamplona Spain****Neogene see also Miocene; Pliocene**

- Arctic Ocean 115(1-4) 3-31  
 Atlantic Ocean 115(1-4) 133-157  
 France 117(3-4) 246-247  
 Pacific Ocean 114(1-4) 295-304  
 Spain 117(3-4) 246-247

**Neoproterozoic see Torridonian****neotectonics see also faults; geomorpho-****logic effects**

- Spain, diagenesis 121(1-2) 23-55

**Nerbuda Valley see Narmada Valley****nesosilicates see zircon****Netherlands see Meuse River; Rhine River****New Mexico see Delaware Basin****New Zealand see also North Island; Wan-**

- ganui Basin  
 117(3-4) 135-141  
 sedimentary petrology 121(1-2) 1-21  
 Taupo New Zealand 119(1-2) 5-16

**Ningxia China**

- stratigraphy 121(1-2) 141-145

**nodules**

- Pacific Ocean, geochemistry 114(1-4)  
 295-304

**North Africa see Egypt; Libya****North America see also Basin and Range**

- Province; Canadian Shield; Great Plains  
 geomorphology

- Hueco Bolson 117(3-4) 207-219

- Rio Grande Rift 117(3-4) 207-219

**North Atlantic see Bay of Biscay; Great Ba-**

- hama Bank; North Sea; Rockall Trough

**North German Plain**

- geochemistry 116(3-4) 177-198

**North Island see Wanganui Basin****North Pacific see Northeast Pacific****North Polar Sea see Arctic Ocean****North Sea**

- petroleum 117(3-4) 248-249

- stratigraphy 114(1-4) 305-319

**North Sea region**

- sedimentary petrology 117(3-4) 221-244

**Northeast Pacific see Guatemala Basin****Northern Cape Province South Africa**

- sedimentary petrology 120(1-4) 319-335

- sedimentation 120(1-4) 225-256

**Northwest Territories see Slave Province****Norway**

- sedimentary petrology, Varanger Penin-  
 sula 114(1-4) 131-161

**NRM see natural remanent magnetization****Numidian Flysch**

- sedimentary structures 115(1-4) 233-265

**O-18/O-16**

- Alabama, geochemistry 114(1-4) 223-236

- Australia, geochemistry 117(1-2) 123-132

- China, geochemistry 116(1-2) 143-156

- France, sedimentary petrology 118(1-4)  
 95-118

- Korea, diagenesis 118(1-4) 141-157

- Libya, geochemistry 116(3-4) 199-226

- New Zealand, paleomagnetism 117(3-4)  
 165-192

- Pacific Ocean, geochemistry 114(1-4)  
 295-304

**Spain**

- geochemistry 114(1-4) 81-95; 121(3-4)  
 191-206

- sedimentary petrology 119(1-2) 85-102;  
 119(3-4) 183-194

**ocean circulation**

- Atlantic Ocean, sedimentary petrology  
 115(1-4) 133-157

- Brazil, sedimentary petrology 114(1-4)  
 163-188

**Ocean Drilling Program see also Leg 138**

- sedimentary petrology 115(1-4) 3-31

**ocean floors see also bottom features; sub-**

- marine fans  
 Pacific Ocean, geochemistry 114(1-4)  
 295-304

**ocean waves**

- Northwest Territories, sedimentary petrology  
 120(1-4) 125-152

**oceanography see continental margin; conti-**

- ental slope; marine geology; nodules;  
 ocean circulation; ocean floors; reefs; sea

- water; sedimentation; sediments

**ODP see Ocean Drilling Program****ODP Site 846**

- paleomagnetism 117(3-4) 165-192

- oil and gas *see* petroleum

**Oita Japan**

- geochemistry 119(3-4) 195-217

**Oklahoma see Anadarko Basin****Oligocene**

- Denmark 117(3-4) 221-244

- Spain 115(1-4) 267-288

**Oman see Shuaiba Formation****oolite**

- Atlantic Ocean, diagenesis 119(1-2) 1-4

**oolitic limestone**

- China, stratigraphy 114(1-4) 189-222

- Spain 119(1-2) 85-102

**orbital forcing**

- Spain, sedimentary petrology 119(1-2)  
 123-139

**Ordos Basin**

- geochemistry 116(1-2) 129-141

- sedimentary petrology 118(1-4) 127-140

**Ordovician**

- Alabama 114(1-4) 223-236

- Ashgillian, Russian Federation 118(1-4)  
 187-211

- Chazy, Vermont 121(3-4) 277-288

- China 114(1-4) 189-222; 116(1-2) 143-  
 156; 118(1-4) 127-140; 121(1-2) 141-  
 145

- Korea 118(1-4) 141-157

- Mauritania 119(1-2) 141-159

**ore of sedimentation see placers****organic compounds**

- Spain, diagenesis 121(1-2) 23-55



organic mound *see* bioherms

**orogeny** *see also* Alpine Orogeny

Canadian Shield, sedimentary petrology  
120(1-4) 177-203

orthosilicates *see* nesosilicates

**overbank sediments**

Bangladesh 121(3-4) 239-258

oxides *see* iron oxides

**oxygen**

O-18/O-16

Alabama 114(1-4) 223-236

Australia 117(1-2) 123-132

China 116(1-2) 143-156

France 118(1-4) 95-118

Korea 118(1-4) 141-157

Libya 116(3-4) 199-226

New Zealand 117(3-4) 165-192

Pacific Ocean 114(1-4) 295-304

Spain 114(1-4) 81-95; 119(1-2) 85-102;

119(3-4) 183-194; 121(3-4) 191-206

**Pacific Ocean**

geochemistry

Galapagos Rift 114(1-4) 295-304

Guatemala Basin 114(1-4) 295-304

paleomagnetism 117(3-4) 165-192

sedimentary petrology 115(1-4) 3-31

**paleo-oceanography**

Antarctic Ocean, sedimentary petrology  
115(1-4) 185-214

Germany, sedimentary petrology 121(1-2)  
71-95

Greece 117(1-2) 33-70

Spain, diagenesis 121(1-2) 23-55

**paleoatmosphere**

sedimentary petrology 120(1-4) 5-53

paleobiogeography *see* biogeography

**Paleocene**

Libya 116(3-4) 199-226

**paleoclimatology**

Canadian Shield, sedimentary petrology  
120(1-4) 177-203

China 114(1-4) 189-222

Greenland, sedimentary petrology  
120(1-4) 295-317

Kansas 114(1-4) 11-32

Northwest Territories, sedimentary petrology  
120(1-4) 125-152

sedimentary petrology 120(1-4) 5-53

South Australia, sedimentary petrology  
120(1-4) 55-74

Spain 114(1-4) 267-294

Wyoming 114(1-4) 33-54

paleoearthquakes *see* paleoseismicity

**paleoecology** *see also* biogeography; bio-  
logic evolution

New Zealand 117(3-4) 165-192

Spain, diagenesis 121(1-2) 23-55

Western Australia, diagenesis 121(3-4)

149-156

**paleofloods**

Greenland, sedimentary petrology  
120(1-4) 295-317

Queensland Australia, sedimentation  
120(1-4) 275-294

**Paleogene** *see also* Eocene; Oligocene; Pa-  
leocene

California 115(1-4) 315-349

Cyprus 115(1-4) 215-231

France 117(3-4) 246-247

Spain 117(3-4) 246-247

**paleogeography** *see also* basins; transgres-  
sion

Basin and Range Province, sedimentary  
petrology 117(3-4) 143-149

China, sedimentary petrology 118(1-4)  
77-93

England 114(1-4) 305-319

Great Plains, sedimentary petrology  
117(3-4) 143-149

Greece 117(1-2) 33-70

Mauritania, sedimentary petrology  
119(1-2) 141-159

Norway, sedimentary petrology 114(1-4)  
131-161

Spain 114(1-4) 267-294

**paleokarst**

China, sedimentary petrology 118(1-4)  
127-140

**paleolimnology**

Spain, geochemistry 121(3-4) 191-206

paleomagnetism *see* anhysteretic remanent  
magnetization; magnetic susceptibility;  
magnetostratigraphy; natural remanent  
magnetization

paleontology *see* Brachiopoda; Foramini-  
fera; Mollusca; Porifera; problematic fos-  
sils

**paleoseismicity**

Germany, sedimentary petrology 119(1-2)  
47-83

sedimentary petrology 117(1-2) 1-10

**Paleosols**

England, sedimentary petrology 119(3-4)  
275-295

India, ground water 116(3-4) 251-260

Kansas, paleomagnetism 114(1-4) 11-32

Korea, sedimentary petrology 119(1-2)  
161-179

soils 116(3-4) 276-277

Spain, paleobotany 116(1-2) 81-97

Wyoming, stratigraphy 114(1-4) 33-54

Paleozoic *see* Cambrian; Carboniferous; De-  
vonian; Ordovician; Permian; Silurian

**palygorskite**

Spain, clay mineralogy 116(3-4) 159-176

**Pamplona Spain**

clay mineralogy 116(3-4) 159-176

**Parana Basin**

sedimentary petrology 116(1-2) 99-128

**Paris Basin**

Jurassic 114(1-4) 55-79; 121(3-4) 207-237

**Parma Italy**

geochemistry 115(1-4) 301-313

**passive margins**

Greece, stratigraphy 117(1-2) 33-70

Greenland 117(3-4) 135-141

New Zealand 117(3-4) 135-141

**Pb-210**

Bangladesh, sedimentary petrology  
121(3-4) 239-258

**pebbles** 117(3-4) 151-164

**Pechora Russian Federation**

sedimentary petrology 118(1-4) 187-211

**pedogenesis**

England, sedimentary petrology 119(3-4)  
275-295

Kansas, paleomagnetism 114(1-4) 11-32

pelite *see* shale

**Peloponnesus Greece**

stratigraphy 117(1-2) 33-70

**Pennsylvanian**

Virgilian, Kansas 114(1-4) 11-32

permeability coefficient *see* hydraulic con-  
ductivity

**Permian**

116(3-4) 277-279

Asselian, Kansas 114(1-4) 11-32

Australia 117(1-2) 123-132

Guadalupian

Basin and Range Province 117(3-4)  
143-149

Great Plains 117(3-4) 143-149

Japan 119(3-4) 195-217

Raniganj Formation, sedimentary petrology  
119(3-4) 253-261

Rotliegendes

England 114(1-4) 305-319

Germany 116(3-4) 177-198

Russian Federation 118(1-4) 187-211

Spain 114(1-4) 267-294

Thailand 121(1-2) 97-119

Persia *see* Iran

petrogeometry *see* structural analysis

**petroleum** *see also* natural gas; petroleum  
exploration

California 115(1-4) 315-349

North Sea 117(3-4) 248-249

**petroleum exploration**

Thailand, sedimentary petrology 121(1-2)  
97-119

- petrology *see* fluid inclusions; volcanism  
 petromorphology *see* structural analysis  
 petrostratigraphy *see* lithostratigraphy  
 phytogeography *see* biogeography
- Pindos Group**  
 stratigraphy 117(1-2) 33-70
- Pindos Zone**  
 stratigraphy 117(1-2) 33-70
- placers**  
 South Africa, gold ores 120(1-4) 205-224
- planar bedding structures *see* bedding;  
 cross-bedding; cross-laminations; cross-  
 stratification; cyclothem; hummocky  
 cross-stratification; imbrication; lamina-  
 tions; rhythmic bedding; ripple drift-cross  
 laminations; sand bodies
- planation surfaces *see* erosion surfaces
- Plantae *see* algae
- plaster stone *see* gypsum
- plate tectonics *see* Galapagos Rift; passive  
 margins
- playas**  
 England, stratigraphy 114(1-4) 305-319
- Pleistocene**  
 Brazil 115(1-4) 159-174  
 Pacific Ocean 114(1-4) 295-304  
 Weichselian, Netherlands 114(1-4) 322-  
 323  
 pleniglacial, last *see* last glacial maximum
- Pliocene**  
 Atlantic Ocean 115(1-4) 81-110  
 Gauss Chron, New Zealand 117(3-4) 165-  
 192  
 Japan 115(1-4) 351-381  
 New Zealand 116(1-2) 57-80
- Point Lobos State Reserve**  
 petroleum 115(1-4) 315-349
- Porifera**  
 Western Australia, diagenesis 121(3-4)  
 149-156
- Portlandian *see* Tithonian
- Portugal**  
 stratigraphy 114(1-4) 237-266
- Postglacial *see* Holocene
- Pre-Cambrian *see* Precambrian
- Prebetic Zone**  
 sedimentary petrology 119(1-2) 123-139
- Precambrian** *see also* Archean; upper Pre-  
 cambrian  
 120(1-4) 1-346; 120(1-4) 5-53  
 Transvaal Supergroup  
 sedimentary petrology 120(1-4) 319-335  
 sedimentation 120(1-4) 225-256  
 Witwatersrand Supergroup, gold ores  
 120(1-4) 205-224
- problematic fossils**  
 Spain, paleobotany 116(1-2) 81-97
- progradation**  
 Mauritania, sedimentary petrology  
 119(1-2) 141-159
- Proterozoic**  
 116(3-4) 277-279; 120(1-4) 257-274  
 Belt Supergroup, sedimentary petrology  
 120(1-4) 105-124  
 Canadian Shield 120(1-4) 75-104  
 Egypt 116(3-4) 227-250  
 Greenland 120(1-4) 295-317  
 India 119(3-4) 239-252  
 Norway 114(1-4) 131-161  
 Queensland Australia 120(1-4) 275-294  
 Romania 115(1-4) 289-300  
 South Africa 120(1-4) 225-256; 120(1-4)  
 319-335  
 South Australia 120(1-4) 55-74  
 Torridonian, Saudi Arabia 120(1-4) 337-  
 343
- Protista**  
 Foraminifera  
 New Zealand 117(3-4) 165-192  
 Thailand 121(1-2) 97-119  
 psammite *see* sandstone
- pseudomorphism**  
 Mali, sedimentary petrology 117(3-4)  
 193-205
- pumice**  
 New Zealand, sedimentary petrology  
 119(1-2) 5-16
- Purbeckian**  
 England 121(3-4) 179-190
- Pyeongang Supergroup**  
 sedimentary petrology 119(3-4) 219-238
- Pyrenees**  
 clay mineralogy 116(3-4) 159-176  
 pyroclastics *see* pumice; tuffite; volcaniclas-  
 tics
- quartz**  
 Egypt, sedimentary petrology 121(1-2)  
 121-140
- quartz arenite**  
 Brazil 116(1-2) 99-128  
 Canadian Shield 120(1-4) 153-176  
 Egypt 121(1-2) 121-140  
 Northwest Territories 120(1-4) 125-152
- Quaternary** *see also* Holocene; last glacial  
 maximum; Pleistocene  
 116(3-4) 277-279  
 Antarctic Ocean 115(1-4) 185-214  
 Atlantic Ocean 115(1-4) 81-110; 115(1-4)  
 133-157; 118(1-4) 3-36; 119(1-2) 1-4  
 Greenland 117(3-4) 135-141  
 India 116(3-4) 251-260  
 Mediterranean region 116(1-2) 157-158  
 New Zealand 117(3-4) 135-141
- Quebec**  
 sedimentary petrology, Saint Lawrence Es-  
 tuary 116(3-4) 261-274
- Queensland Australia**  
 Quaternary, Townsville Australia 117(1-2)  
 97-121  
 sedimentation, Mount Isa Inlier 120(1-4)  
 275-294
- Qum Formation**  
 sedimentary petrology 118(1-4) 37-54  
 radioactive isotopes *see* Cs-137; Pb-210
- radiolarite**  
 Spain 119(1-2) 103-121
- Rangitikei Valley**  
 paleomagnetism 117(3-4) 165-192
- Raniganj Formation**  
 sedimentary petrology 119(3-4) 253-261
- rare earths** *see also* cerium  
 China, geochemistry 116(1-2) 129-141  
 Japan, geochemistry 119(3-4) 195-217  
 rate of sedimentation *see* sedimentation rates
- Recent** *see* Holocene
- red beds**  
 Denmark 121(3-4) 259-276  
 Saudi Arabia 120(1-4) 337-343
- Red Sea**  
 sedimentary petrology, Gulf of Suez  
 121(1-2) 121-140
- redbeds** *see* red beds
- reefs**  
 118(1-4) 1-211  
 atolls, Atlantic Ocean 118(1-4) 3-36
- remanent magnetization *see* anhysteretic remanent magnetization; isothermal remanent magnetization; natural remanent magnetization
- Renalcis**  
 Western Australia, diagenesis 121(3-4)  
 149-156
- Reynolds number**  
 sedimentary petrology 119(1-2) 17-23
- Rhine River**  
 sedimentary petrology 114(1-4) 322-323
- rhodochrosite**  
 Pacific Ocean, geochemistry 114(1-4)  
 295-304
- rhythmic bedding**  
 China 118(1-4) 55-76  
 South Australia 120(1-4) 55-74
- rift zones**  
 Portugal, stratigraphy 114(1-4) 237-266  
 Rijn River *see* Rhine River  
 Riley County Kansas *see* Manhattan Kansas
- Rio Grande**  
 geomorphology 117(3-4) 207-219
- Rio Grande Rift**  
 geomorphology 117(3-4) 207-219
- Rio Grande Rise**  
 sedimentary petrology 115(1-4) 111-132

- Rio Grande River *see* Rio Grande
- ripple drift-cross laminations**  
Spain 116(1-2) 27-56  
United Kingdom 115(1-4) 33-51
- ripple marks**  
114(1-4) 1-9  
Canadian Shield 120(1-4) 153-176  
China 118(1-4) 77-93  
France 121(1-2) 53-70  
Queensland Australia 120(1-4) 275-294
- ripple-cross-laminations *see* ripple drift-cross laminations
- rivers *see* channels; floodplains; meanders
- Rivieradal Sandstones**  
sedimentary petrology 120(1-4) 257-274
- Roca Formation**  
paleomagnetism 114(1-4) 11-32  
rock salt *see* halite  
rock-stratigraphy *see* lithostratigraphy  
rock-water interface *see* water-rock interaction
- Rockall Trough**  
sediments 115(1-4) 33-51  
roestone *see* oolite
- Romania**  
sedimentary petrology, Romanian Dobruja 115(1-4) 289-300
- Romanian Dobruja**  
sedimentary petrology 115(1-4) 289-300
- Rotliegendes**  
England 114(1-4) 305-319  
Germany 116(3-4) 177-198
- rubberrock *see* breccia
- Russian Federation**  
sedimentary petrology  
Lake Baikal 121(3-4) 289-298  
Pechora Russian Federation 118(1-4) 187-211
- S** *see* sulfur
- Saar-Nahe Basin**  
sedimentary petrology 119(1-2) 47-83
- Sahara *see* Mauritania
- Sahara Desert *see* Sahara
- Saint Lawrence Estuary**  
sedimentary petrology 116(3-4) 261-274
- Samcheog coal field**  
sedimentary petrology 119(3-4) 219-238
- sand**  
115(1-4) 53-80  
Atlantic Ocean 115(1-4) 81-110  
Denmark 117(3-4) 221-244  
Mexico 119(3-4) 263-274  
Spain, Quaternary 117(1-2) 11-32
- sand bodies**  
South Africa 120(1-4) 319-335
- sandstone**  
120(1-4) 5-53; 120(1-4) 257-274
- Brazil 116(1-2) 99-128  
California, petroleum 115(1-4) 315-349  
Canadian Shield 120(1-4) 177-203  
China 118(1-4) 55-76  
Egypt 119(3-4) 311-335; 121(1-2) 121-140  
France, Jurassic 121(3-4) 207-237  
Germany, geochemistry 116(3-4) 177-198  
Greece, stratigraphy 117(1-2) 33-70  
Greenland 120(1-4) 295-317  
Italy 115(1-4) 233-265  
Korea 119(3-4) 219-238  
Mauritania 119(1-2) 141-159  
Montana 120(1-4) 105-124  
New Zealand, Pliocene 116(1-2) 57-80  
Northwest Territories 120(1-4) 125-152  
Norway 114(1-4) 131-161  
South Africa, gold ores 120(1-4) 205-224
- Santonian**  
Brazil 115(1-4) 175-184
- Sao Luis Basin**  
sedimentary petrology 114(1-4) 163-188
- Saragossa Spain**  
sedimentary petrology 119(3-4) 183-194
- Saudi Arabia**  
diagenesis 120(1-4) 337-343
- Savoie France**  
Quaternary 117(1-2) 71-96
- Scandinavia *see* Denmark; Norway
- Scleractinia**  
sedimentary petrology 118(1-4) 159-186
- scour casts**  
India 119(3-4) 253-261  
sea fan *see* submarine fans  
sea floors *see* ocean floors
- sea water**  
Atlantic Ocean, sedimentary petrology 115(1-4) 133-157
- sea-level changes** *see also* eustasy; transgression  
Atlantic Ocean 118(1-4) 3-36  
Brazil, sediments 115(1-4) 159-174  
France, sedimentary petrology 118(1-4) 95-118  
New Zealand, Pliocene 116(1-2) 57-80  
Portugal, stratigraphy 114(1-4) 237-266  
Spain  
diagenesis 121(1-2) 23-55  
Quaternary 117(1-2) 11-32  
sedimentary petrology 116(1-2) 27-56
- seas, epicontinental *see* epicontinental seas
- seawater *see* sea water
- secondary structures *see* concretions; stylolites
- sediment load *see* bedload
- sediment supply**  
Denmark 117(3-4) 221-244  
India 119(1-2) 25-45
- sediment transport** *see also* marine transport; stream transport  
119(1-2) 17-23  
Basin and Range Province 117(3-4) 143-149  
Great Plains 117(3-4) 143-149  
stratigraphy 121(3-4) 157-178
- sedimentary petrology *see* clay mineralogy; diagenesis; reefs; sedimentary structures; sedimentation; sediments; weathering
- sedimentary rocks** *see also* lithostratigraphy  
117(1-2) 1-10
- arenite  
South Africa 120(1-4) 225-256  
Spain 115(1-4) 267-288
- argillite  
Canadian Shield 120(1-4) 177-203  
Quebec 116(3-4) 261-274
- bentonite, Brazil 115(1-4) 175-184
- biomicrite, England 119(3-4) 275-295
- breccia, Germany 119(1-2) 47-83
- calcrete  
India 116(3-4) 251-260; 119(1-2) 25-45  
Spain 116(1-2) 81-97
- carbonate rocks 117(3-4) 249-250  
Basin and Range Province 117(3-4) 143-149  
Great Plains 117(3-4) 143-149  
Spain 119(1-2) 181  
Western Australia 121(3-4) 149-156
- chert  
Australia 117(1-2) 123-132  
Japan 119(3-4) 195-217  
Spain 119(1-2) 85-102
- clastic rocks 120(1-4) 1-346  
India 119(3-4) 239-252  
South Australia 120(1-4) 55-74  
Spain 116(1-2) 27-56
- conglomerate  
California 115(1-4) 315-349  
Northwest Territories 120(1-4) 125-152
- contourite 115(1-4) 1-386; 115(1-4) 53-80
- Antarctic Ocean 115(1-4) 185-214
- Arctic Ocean 115(1-4) 3-31
- Atlantic Ocean 115(1-4) 81-110; 115(1-4) 111-132; 115(1-4) 133-157
- Cyprus 115(1-4) 215-231
- Japan 115(1-4) 351-381
- Romania 115(1-4) 289-300
- South Africa 120(1-4) 319-335
- United Kingdom 115(1-4) 33-51
- diatomaceous earth, Spain 121(1-2) 23-55
- dolomitic limestone, China 118(1-4) 119-126
- dolostone, China 118(1-4) 55-76
- oolite  
Greenland 120(1-4) 295-317

- Queensland Australia 120(1-4) 275-294  
 evaporites, Spain 116(3-4) 159-176;  
 121(1-2) 23-55  
 ferricrete, Egypt 119(3-4) 311-335  
 flysch  
   China 118(1-4) 55-76  
   Italy 115(1-4) 233-265; 115(1-4) 301-313  
 France 117(3-4) 246-247  
 grainstone  
   China 114(1-4) 189-222  
   Indiana 121(1-2) 1-21  
   New Zealand 121(1-2) 1-21  
 graywacke, Egypt 116(3-4) 227-250  
 limestone  
   China 118(1-4) 55-76; 118(1-4) 77-93  
   Cyprus 115(1-4) 215-231  
   England 121(3-4) 179-190  
   France 118(1-4) 95-118; 121(1-2) 53-70  
   geochemistry 116(1-2) 13-24  
   Greece 117(1-2) 33-70  
   Indiana 121(1-2) 1-21  
   Iran 118(1-4) 37-54  
   New Zealand 121(1-2) 1-21  
   Russian Federation 118(1-4) 187-211  
   Spain 119(1-2) 123-139  
 micrite  
   Italy 115(1-4) 301-313  
   Spain 114(1-4) 81-95  
 molasse, China 118(1-4) 55-76  
 mudstone  
   China 114(1-4) 189-222; 118(1-4) 55-76  
   England 114(1-4) 305-319  
   Greece 117(1-2) 33-70  
   Korea 119(1-2) 161-179  
   New Zealand 117(3-4) 165-192  
   Romania 115(1-4) 289-300  
   South Africa 120(1-4) 319-335  
   Spain 114(1-4) 81-95; 116(3-4) 159-176  
 oolitic limestone  
   China 114(1-4) 189-222  
   Spain 119(1-2) 85-102  
 quartz arenite  
   Brazil 116(1-2) 99-128  
   Canadian Shield 120(1-4) 153-176  
   Egypt 121(1-2) 121-140  
   Northwest Territories 120(1-4) 125-152  
 radiolarite, Spain 119(1-2) 103-121  
 red beds  
   Denmark 121(3-4) 259-276  
   Saudi Arabia 120(1-4) 337-343  
 sandstone 120(1-4) 5-53; 120(1-4) 257-274  
   Brazil 116(1-2) 99-128  
   California 115(1-4) 315-349  
   Canadian Shield 120(1-4) 177-203  
   China 118(1-4) 55-76  
   Egypt 119(3-4) 311-335; 121(1-2) 121-140  
   France 121(3-4) 207-237  
   Germany 116(3-4) 177-198  
   Greece 117(1-2) 33-70  
   Greenland 120(1-4) 295-317  
   Italy 115(1-4) 233-265  
   Korea 119(3-4) 219-238  
   Mauritania 119(1-2) 141-159  
   Montana 120(1-4) 105-124  
   New Zealand 116(1-2) 57-80  
   Northwest Territories 120(1-4) 125-152  
   Norway 114(1-4) 131-161  
   South Africa 120(1-4) 205-224  
 shale  
   China 116(1-2) 129-141  
   Kansas 114(1-4) 11-32  
   Montana 120(1-4) 105-124  
 silcrete, Egypt 119(3-4) 311-335  
 siltstone  
   Egypt 116(3-4) 227-250  
   England 114(1-4) 305-319  
   Iran 118(1-4) 37-54  
   New Zealand 116(1-2) 57-80  
   Northwest Territories 120(1-4) 125-152  
   Spain 115(1-4) 267-288  
 Spain 117(3-4) 246-247  
 wackestone, Spain 114(1-4) 81-95  
**sedimentary structures**  
 117(1-2) 1-10  
 algal mats, Montana 120(1-4) 105-124  
 ball-and-pillow, Quebec 116(3-4) 261-274  
 bedding 114(1-4) 1-9  
   France 121(1-2) 53-70  
 bioherms 118(1-4) 159-186  
   China 114(1-4) 189-222  
   Russian Federation 118(1-4) 187-211  
 bioturbation  
   Denmark 117(3-4) 221-244  
   United Kingdom 115(1-4) 33-51  
 Bouma sequence  
   California 115(1-4) 315-349  
   Romania 115(1-4) 289-300  
   Spain 115(1-4) 267-288  
 carbonate banks, Russian Federation 118(1-4) 187-211  
 concretions, Spain 114(1-4) 97-107; 116(1-2) 81-97  
 cross-bedding  
   Brazil 114(1-4) 163-188  
   Canadian Shield 120(1-4) 153-176  
   Greenland 120(1-4) 295-317  
 cross-laminations, South Africa 120(1-4) 319-335  
 cross-stratification  
   Mauritania 119(1-2) 141-159  
   Norway 114(1-4) 131-161  
   Queensland Australia 120(1-4) 275-294  
   Spain 116(1-2) 27-56  
 cyclothems, New Zealand 116(1-2) 57-80  
 flame structures, India 119(3-4) 253-261  
 groove casts, Mauritania 119(1-2) 141-159  
 hummocky cross-stratification  
   China 114(1-4) 189-222  
   Spain 119(1-2) 103-121  
 imbrication 117(3-4) 151-164  
 Italy 115(1-4) 233-265  
 laminations  
   England 114(1-4) 305-319; 119(3-4) 275-295  
   Montana 120(1-4) 105-124  
   Norway 114(1-4) 131-161  
   Russian Federation 121(3-4) 289-298  
   Spain 115(1-4) 267-288  
 load casts, India 119(3-4) 253-261  
 megaripples, France 121(3-4) 207-237  
 mud mounds, France 118(1-4) 95-118  
 rhythmic bedding  
   China 118(1-4) 55-76  
   South Australia 120(1-4) 55-74  
 ripple drift-cross laminations  
   Spain 116(1-2) 27-56  
   United Kingdom 115(1-4) 33-51  
 ripple marks 114(1-4) 1-9  
   Canadian Shield 120(1-4) 153-176  
   China 118(1-4) 77-93  
   France 121(1-2) 53-70  
   Queensland Australia 120(1-4) 275-294  
 sand bodies, South Africa 120(1-4) 319-335  
 scour casts, India 119(3-4) 253-261  
 seismites, India 119(3-4) 239-252  
 soft sediment deformation  
   Arizona 116(1-2) 1-12  
   England 114(1-4) 305-319  
   Germany 119(1-2) 47-83  
   Portugal 114(1-4) 237-266  
   Saudi Arabia 120(1-4) 337-343  
 sole marks, China 118(1-4) 55-76  
 stromatactis, France 118(1-4) 95-118  
 stromatolites  
   Montana 120(1-4) 105-124  
   South Africa 120(1-4) 319-335  
 stylolites  
   Indiana 121(1-2) 1-21  
   New Zealand 121(1-2) 1-21  
 turbidity current structures, China 118(1-4) 77-93  
**sedimentation** *see also* basins; carbonate platforms; deltas; diagenesis; sediment transport; sedimentation rates; sediments; turbidity currents  
 biochemical sedimentation, Italy 115(1-4) 301-313  
 bioclastic sedimentation 118(1-4) 159-186  
   England 121(3-4) 179-190  
   Indian Ocean Islands 114(1-4) 109-130  
   Indiana 121(1-2) 1-21

- New Zealand 121(1-2) 1-21  
 Oman 119(3-4) 297-309  
 Spain 121(1-2) 23-55  
 Western Australia 121(3-4) 149-156
- coastal sedimentation**  
 Mexico 119(3-4) 263-274  
 stratigraphy 121(3-4) 157-178
- continental margin sedimentation** 115(1-4)  
 53-80; 120(1-4) 1-346  
 Atlantic Ocean 115(1-4) 111-132;  
 115(1-4) 133-157  
 Brazil 115(1-4) 159-174  
 France 118(1-4) 95-118  
 Japan 115(1-4) 351-381; 119(3-4) 195-  
 217  
 United Kingdom 115(1-4) 33-51
- deltaic sedimentation** 120(1-4) 5-53  
 Bangladesh 121(3-4) 239-258
- detrital sedimentation**  
 Canadian Shield 120(1-4) 177-203  
 Korea 119(3-4) 219-238  
 South Africa 120(1-4) 205-224
- estuarine sedimentation**, Quebec 116(3-4)  
 261-274
- fluvial sedimentation** 114(1-4) 1-9  
 Bangladesh 121(3-4) 239-258
- glacial sedimentation** 120(1-4) 5-53
- glaciofluvial sedimentation**, Quebec  
 116(3-4) 261-274
- lacustrine sedimentation** 120(1-4) 5-53  
 France 117(1-2) 71-96  
 New Zealand 119(1-2) 5-16
- marine sedimentation** 115(1-4) 53-80;  
 120(1-4) 5-53  
 Antarctic Ocean 115(1-4) 185-214  
 Arctic Ocean 115(1-4) 3-31  
 Atlantic Ocean 115(1-4) 81-110;  
 115(1-4) 111-132; 115(1-4) 133-157  
 Brazil 115(1-4) 175-184  
 France 118(1-4) 95-118  
 Iran 118(1-4) 37-54  
 Italy 115(1-4) 233-265  
 Queensland Australia 120(1-4) 275-294
- sedimentation rates**  
 Bangladesh 121(3-4) 239-258  
 Brazil 115(1-4) 159-174  
 Iran 118(1-4) 37-54  
 New Zealand 119(1-2) 5-16  
 South Africa 120(1-4) 225-256  
 Spain, Quaternary 117(1-2) 11-32  
 stratigraphy 121(3-4) 157-178
- sediments** *see also* diagenesis; evaporites;  
 gypsum; lithostratigraphy; littoral drift; tur-  
 bidite  
 117(1-2) 1-10; 119(1-2) 17-23  
 alluvium  
 New Mexico 117(3-4) 207-219  
 Texas 117(3-4) 207-219
- carbonate sediments, Mexico 119(3-4)  
 263-274
- clastic sediments, Antarctic Ocean  
 115(1-4) 185-214
- France, Quaternary 117(1-2) 71-96
- gravel 117(3-4) 151-164
- marine sediments  
 Bangladesh 121(3-4) 239-258  
 Greenland 117(3-4) 135-141  
 New Zealand 117(3-4) 135-141
- mud**  
 Atlantic Ocean 115(1-4) 81-110  
 Quebec 116(3-4) 261-274  
 Queensland Australia 117(1-2) 97-121
- overbank sediments, Bangladesh 121(3-4)  
 239-258
- pebbles 117(3-4) 151-164
- sand 115(1-4) 53-80  
 Atlantic Ocean 115(1-4) 81-110  
 Denmark 117(3-4) 221-244  
 Mexico 119(3-4) 263-274  
 Spain 117(1-2) 11-32
- Seggleden Member**  
 sedimentary petrology 114(1-4) 131-161
- seismic methods *see* stacking
- seismic profiles**  
 Atlantic Ocean, sedimentary petrology  
 115(1-4) 81-110  
 France, Quaternary 117(1-2) 71-96  
 Greenland 117(3-4) 135-141  
 New Zealand 117(3-4) 135-141  
 Spain, Quaternary 117(1-2) 11-32
- seismic sea waves *see* tsunamis
- seismic stratigraphy**  
 France, Quaternary 117(1-2) 71-96
- seismic surge *see* tsunamis
- seismites**  
 India 119(3-4) 239-252
- seismology *see* earthquakes
- seismostratigraphy *see* seismic stratigraphy
- seismotectonics**  
 Germany, sedimentary petrology 119(1-2)  
 47-83
- Senonian *see* Campanian; Maestrichtian;  
 Santonian
- sequence stratigraphy**  
 121(3-4) 157-178  
 Atlantic Ocean, diagenesis 119(1-2) 1-4  
 China 114(1-4) 189-222; 121(1-2) 141-145  
 France, Jurassic 114(1-4) 55-79; 121(3-4)  
 207-237  
 Libya, geochemistry 116(3-4) 199-226  
 New Zealand  
 paleomagnetism 117(3-4) 165-192  
 Pliocene 116(1-2) 57-80  
 Queensland Australia, Quaternary  
 117(1-2) 97-121  
 Spain
- Quaternary 117(1-2) 11-32  
 sedimentary petrology 116(1-2) 27-56
- settling**  
 Indian Ocean Islands 114(1-4) 109-130
- Shaanxi China**  
 geochemistry 116(1-2) 129-141
- shale**  
 China, geochemistry 116(1-2) 129-141  
 Kansas, paleomagnetism 114(1-4) 11-32  
 Montana 120(1-4) 105-124
- Shanxi China**  
 geochemistry, Taiyuan China 116(1-2)  
 143-156
- shear cleavage *see* slip cleavage
- shear zones**  
 Arizona, structural geology 116(1-2) 1-12
- sheet silicates *see* chlorite group; clay miner-  
 als
- shore drift *see* littoral drift
- shore features** *see also* tidal channels  
 Spain, sedimentary petrology 116(1-2)  
 27-56
- shorelines**  
 Brazil, sedimentary petrology 114(1-4)  
 163-188
- Shualba Formation**  
 sedimentary petrology 119(3-4) 297-309
- Siam *see* Thailand
- Sichuan China *see* Yangtze Platform
- Sichuan Sheng *see* Sichuan China
- Sicily Italy**  
 sedimentary structures 115(1-4) 233-265
- silcrete**  
 Egypt 119(3-4) 311-335
- silica minerals *see* quartz
- silicates *see* framework silicates; orthosili-  
 cates; sheet silicates
- siliciclastics**  
 Basin and Range Province, sedimentary  
 petrology 117(3-4) 143-149  
 Great Plains, sedimentary petrology  
 117(3-4) 143-149  
 Thailand, sedimentary petrology 121(1-2)  
 97-119
- siltstone**  
 Egypt, geochemistry 116(3-4) 227-250  
 England, stratigraphy 114(1-4) 305-319  
 Iran 118(1-4) 37-54  
 New Zealand, Pliocene 116(1-2) 57-80  
 Northwest Territories 120(1-4) 125-152  
 Spain 115(1-4) 267-288
- Silurian**  
 Brazil 116(1-2) 99-128  
 Ludlovian, Russian Federation 118(1-4)  
 187-211  
 Wenlockian, Russian Federation 118(1-4)  
 187-211



- Sinai Egypt**  
sedimentary petrology 119(3-4) 311-335
- Sindong Group**  
sedimentary petrology 119(1-2) 161-179
- Singhbhum India**  
sedimentary petrology 119(3-4) 239-252
- Sirte Basin**  
geochemistry 116(3-4) 199-226
- Skagerrak Formation**  
clay mineralogy 121(3-4) 259-276
- Slave Province**  
sedimentary petrology 120(1-4) 125-152
- slip cleavage**  
Arizona 116(1-2) 1-12  
slope, continental *see* continental slope
- smectite**  
Brazil, clay mineralogy 115(1-4) 175-184  
soap clay *see* bentonite
- soft sediment deformation** *see also* ball-and-pillow; flame structures; seismites  
Arizona, structural geology 116(1-2) 1-12  
England, stratigraphy 114(1-4) 305-319  
Germany 119(1-2) 47-83  
Portugal, stratigraphy 114(1-4) 237-266  
Saudi Arabia 120(1-4) 337-343
- soils** *see also* Paleosols; pedogenesis  
Alluvial soils, Wyoming 114(1-4) 33-54
- sole marks**  
China 118(1-4) 55-76  
solution features *see* karst  
solution phenomena *see* solution features
- Sorbas Basin**  
sedimentary petrology 116(1-2) 27-56
- Sorbas Member**  
sedimentary petrology 116(1-2) 27-56
- South Africa** *see also* Witwatersrand Supergroup  
sedimentary petrology  
Northern Cape Province South Africa 120(1-4) 319-335  
Transvaal region 120(1-4) 319-335  
sedimentation, Northern Cape Province South Africa 120(1-4) 225-256
- South America** *see also* Brazil  
sedimentary petrology, Parana Basin 116(1-2) 99-128
- South Atlantic** *see* Brazil Basin; Campos Basin; Rio Grande Rise; Vema Channel
- South Australia**  
sedimentary petrology, Adelaide Australia 120(1-4) 55-74
- South Korea** *see also* Kyongsang Basin  
diagenesis 118(1-4) 141-157  
sedimentary petrology 119(3-4) 219-238
- Southern Africa** *see* Kaapvaal Craton; South Africa
- Southern Europe** *see* Dobruja Basin; Greece; Iberian Peninsula; Italy
- Sovind Marl**  
sedimentary petrology 117(3-4) 221-244
- Spain**  
clay mineralogy  
Cantabrian Basin 116(3-4) 159-176  
Ebro Basin 116(3-4) 159-176  
Pamplona Spain 116(3-4) 159-176  
diagenesis  
Betic Cordillera 115(1-4) 267-288  
Murcia Spain 121(1-2) 23-55  
geochemistry 121(3-4) 191-206  
Madrid Basin 114(1-4) 81-95  
Jurassic, Betic Cordillera 114(1-4) 97-107  
paleobotany  
Madrid Basin 116(1-2) 81-97  
Madrid Spain 116(1-2) 81-97  
Permian, Iberian Mountains 114(1-4) 267-294  
Quaternary  
Ebro Basin 117(1-2) 11-32  
Ebro River 117(1-2) 11-32  
sedimentary petrology  
Almeria Spain 116(1-2) 27-56  
Betic Cordillera 119(1-2) 85-102; 119(1-2) 103-121; 119(1-2) 123-139  
Calatayud-Teruel Basin 119(3-4) 183-194  
Madrid Basin 119(1-2) 181  
Prebetic Zone 119(1-2) 123-139  
Saragossa Spain 119(3-4) 183-194  
Subbetic Zone 119(1-2) 85-102; 119(1-2) 103-121  
sedimentary rocks 117(3-4) 246-247
- Spiriferida** *see* Atrypidae
- Spongiae** *see* Porifera
- Sr** *see* strontium
- Sr-87/Sr-86**  
Alabama, geochemistry 114(1-4) 223-236  
Egypt, sedimentary petrology 121(1-2) 121-140  
Japan, geochemistry 119(3-4) 195-217  
Pacific Ocean, geochemistry 114(1-4) 295-304  
stable isotopes *see* C-13/C-12; O-18/O-16
- Stachyodes australe**  
diagenesis 121(3-4) 149-156
- stacking** 117(1-2) 11-32
- stereochemistry** *see* crystal chemistry
- Stormy Basin**  
sedimentary petrology 120(1-4) 177-203
- strain-slip cleavage** *see* slip cleavage
- stratigraphy** *see* Archean; Cambrian; Carboniferous; Cenozoic; Cretaceous; Devonian; Eocene; Holocene; Jurassic; Mesozoic; Miocene; Mississippian; Neogene; Oligocene; Ordovician; Paleocene; Paleogene; paleomagnetism; Permian; Pleistocene; Pliocene; Precambrian; problematic fossils; Proterozoic; Quaternary; Silurian; Tertiary; Triassic
- stream flow** *see* streamflow
- stream sediments**  
New Mexico, geomorphology 117(3-4) 207-219  
Texas, geomorphology 117(3-4) 207-219  
stream transport *see* bedload; fluvial sedimentation
- streamflow**  
Norway, sedimentary petrology 114(1-4) 131-161  
sedimentary petrology 114(1-4) 1-9
- streams** *see also* braided streams  
Saudi Arabia, diagenesis 120(1-4) 337-343
- strike-slip faults** *see* transfer faults
- stromatactis**  
France 118(1-4) 95-118
- stromatolites**  
Montana 120(1-4) 105-124  
South Africa 120(1-4) 319-335
- Stromatoporoidea**  
Western Australia, diagenesis 121(3-4) 149-156
- strontium**  
England, diagenesis 121(3-4) 179-190  
Spain, geochemistry 114(1-4) 81-95  
Sr-87/Sr-86  
Alabama 114(1-4) 223-236  
Egypt 121(1-2) 121-140  
Japan 119(3-4) 195-217  
Pacific Ocean 114(1-4) 295-304  
Vermont, diagenesis 121(3-4) 277-288  
structural analysis *see* faults; shear zones  
structural basins *see* basins  
structural geology *see* epeirogeny; faults; fractures; neotectonics; orogeny; structural analysis; tectonics
- stylolites**  
Indiana 121(1-2) 1-21  
New Zealand 121(1-2) 1-21
- Subbetic Zone**  
sedimentary petrology 119(1-2) 85-102; 119(1-2) 103-121
- submarine fans** *see also* turbidity currents  
Atlantic Ocean, sedimentary petrology 115(1-4) 81-110

- submarine features *see* bottom features  
 submarine geology *see* marine geology
- succession**  
 Russian Federation, sedimentary petrology 118(1-4) 187-211
- sulfates *see* anhydrite; bassanite; glauberite; gypsum
- sulfur**  
 Spain, diagenesis 121(1-2) 23-55
- supercontinents**  
 Canadian Shield, stratigraphy 120(1-4) 75-104  
 sedimentary petrology 120(1-4) 5-53
- Superior Province**  
 sedimentary petrology 120(1-4) 177-203  
 stratigraphy 120(1-4) 75-104  
 weathering 120(1-4) 153-176
- surfaces, erosion *see* erosion surfaces
- surveys *see* geophysical surveys
- suspension current *see* turbidity currents
- Swabian Alb**  
 sedimentary petrology 121(1-2) 71-95
- Sydney Basin**  
 geochemistry 117(1-2) 123-132
- symposia**  
 reefs 118(1-4) 1-211  
 sedimentation 115(1-4) 1-386
- synclines**  
 Portugal, stratigraphy 114(1-4) 237-266
- Syrte Basin *see* Sirte Basin
- Szechuan China *see* Sichuan China
- Taiyuan China**  
 geochemistry 116(1-2) 143-156
- talus fan *see* alluvial fans
- Taoudenni *see* Mali
- Taoudenni-Agorgott Basin**  
 sedimentary petrology 117(3-4) 193-205
- Taranaki Basin**  
 Pliocene 116(1-2) 57-80
- Taranaki New Zealand *see* Wanganui Basin
- Tarn France**  
 sedimentary petrology 118(1-4) 95-118
- Taupo New Zealand**  
 sedimentary petrology 119(1-2) 5-16
- tectogenesis *see* orogeny
- tectonics** *see also* half grabens; neotectonics; rift zones  
 extension tectonics  
 France 118(1-4) 95-118  
 Germany 119(1-2) 47-83  
 Norway, sedimentary petrology 114(1-4) 131-161  
 sedimentary petrology 120(1-4) 5-53  
 seismotectonics, Germany 119(1-2) 47-83
- tectonophysics *see* paleomagnetism; plate tectonics
- teepee structures**  
 Saudi Arabia, diagenesis 120(1-4) 337-343
- tempestite**  
 China, stratigraphy 121(1-2) 141-145  
 Spain, sedimentary petrology 119(1-2) 103-121
- tephra *see* pyroclastics
- Tertiary** *see also* Neogene; Paleogene  
 Greece 117(1-2) 33-70  
 Spain 116(3-4) 159-176
- Texas** *see also* Anadarko Basin; Delaware Basin  
 geomorphology, El Paso County Texas 117(3-4) 207-219
- Thailand**  
 sedimentary petrology 121(1-2) 97-119
- tidal channels**  
 South Australia, sedimentary petrology 120(1-4) 55-74
- tidal flats**  
 India, sedimentary petrology 119(3-4) 239-252  
 Northwest Territories, sedimentary petrology 120(1-4) 125-152  
 Quebec, sedimentary petrology 116(3-4) 261-274  
 sedimentary petrology 120(1-4) 5-53  
 South Australia, sedimentary petrology 120(1-4) 55-74
- tidal wave *see* tsunamis
- till *see* drumlins
- Timeball Hill Formation**  
 sedimentary petrology 120(1-4) 319-335
- Tithonian**  
 Spain 119(1-2) 85-102
- Torridonian**  
 Saudi Arabia 120(1-4) 337-343
- Tortonian**  
 Spain 121(1-2) 23-55
- Townsville Australia**  
 Quaternary 117(1-2) 97-121
- transfer faults**  
 Germany, sedimentary petrology 119(1-2) 47-83  
 Spain, Permian 114(1-4) 267-294
- transgression**  
 China, stratigraphy 114(1-4) 189-222; 121(1-2) 141-145  
 Denmark, sedimentary petrology 117(3-4) 221-244  
 Queensland Australia, Quaternary 117(1-2) 97-121  
 stratigraphy 121(3-4) 157-178
- Transvaal region**  
 sedimentary petrology 120(1-4) 319-335
- Transvaal Supergroup**  
 sedimentary petrology 120(1-4) 319-335  
 sedimentation 120(1-4) 225-256
- Triassic**  
 Anisian, France 121(1-2) 53-70  
 Australia 117(1-2) 123-132  
 Carnian, France 121(3-4) 207-237  
 China 118(1-4) 55-76; 118(1-4) 77-93; 118(1-4) 119-126  
 Denmark 121(3-4) 259-276  
 Japan 119(3-4) 195-217  
 Keuper, France 121(3-4) 207-237  
 Korea 119(3-4) 219-238  
 Ladinian, France 121(1-2) 53-70  
 Muschelkalk, France 121(1-2) 53-70
- triplite *see* diatomaceous earth
- tsunamis**  
 Atlantic Ocean, sedimentary petrology 118(1-4) 3-36
- tuffite**  
 Thailand, sedimentary petrology 121(1-2) 97-119
- turbidite** *see also* Bouma sequence; turbidity currents  
 Arctic Ocean 115(1-4) 3-31  
 Atlantic Ocean, sedimentary petrology 115(1-4) 81-110  
 Brazil, clay mineralogy 115(1-4) 175-184  
 Italy, geochemistry 115(1-4) 301-313  
 Russian Federation, sedimentary petrology 121(3-4) 289-298  
 South Africa, sedimentary petrology 120(1-4) 319-335  
 Thailand, sedimentary petrology 121(1-2) 97-119  
 United Kingdom, sediments 115(1-4) 33-51
- turbidity current structures** *see also* Bouma sequence; load casts  
 China 118(1-4) 77-93
- turbidity currents**  
 Atlantic Ocean, sedimentary petrology 115(1-4) 111-132; 115(1-4) 133-157  
 Brazil, sediments 115(1-4) 159-174  
 California, petroleum 115(1-4) 315-349  
 Cyprus, sedimentary petrology 115(1-4) 215-231  
 Japan, sedimentary petrology 115(1-4) 351-381  
 sedimentation 115(1-4) 1-386
- U/Pb**  
 South Africa, sedimentation 120(1-4) 225-256
- underground water *see* ground water
- United Kingdom *see* Great Britain
- United States** *see also* Alabama; Arizona; California; Indiana; Kansas; Montana; New Mexico; Oklahoma; Texas; Vermont; Wyo-



- ming  
 sedimentary petrology  
   Anadarko Basin 117(3-4) 143-149  
   Delaware Basin 117(3-4) 143-149  
   Mississippi River 114(1-4) 1-9  
 stratigraphy  
   Bighorn Basin 114(1-4) 33-54  
   Wyoming Province 120(1-4) 75-104  
 Upper Cretaceous *see* Cenomanian; Senonian  
 Upper Devonian *see* Frasnian  
 Upper Jurassic *see* Kimmeridgian; Lusitanian; Portlandian  
 upper Miocene *see* Messinian; Tortonian  
 Upper Ordovician *see* Ashgillian  
 Upper Pennsylvanian *see* Virgilian  
 Upper Permian *see* Raniganj Formation  
 upper Pleistocene *see* Weichselian  
 upper Precambrian *see* Proterozoic  
 Upper Silurian *see* Ludlovian  
 Upper Triassic *see* Carnian; Keuper  
**Urals**  
   sedimentary petrology 118(1-4) 187-211  
   uranium-lead *see* U/Pb  
**Utiku Group**  
   paleomagnetism 117(3-4) 165-192  
**Vandredalen Nappe**  
   sedimentary petrology 120(1-4) 257-274  
**Varanger Peninsula**  
   sedimentary petrology 114(1-4) 131-161  
**Vejle Fjord Formation**  
   sedimentary petrology 117(3-4) 221-244  
**Vema Channel**  
   sedimentary petrology 115(1-4) 81-110  
**Vermont**  
   diagenesis 121(3-4) 277-288  
**Virgilian**  
   Kansas 114(1-4) 11-32  
**Vitoria-Trindade Seamounts**  
   sedimentary petrology 115(1-4) 111-132  
 volcanic clay *see* bentonite  
 volcanic rocks *see* pyroclastics  
 volcanicity *see* volcanism  
**volcaniclastics**  
   Arizona, structural geology 116(1-2) 1-12  
   Canadian Shield, sedimentary petrology 120(1-4) 177-203  
   Germany, geochemistry 116(3-4) 177-198  
   Iran, sedimentary petrology 118(1-4) 37-54  
   Japan, sedimentary petrology 115(1-4) 351-381  
   New Zealand, sedimentary petrology 119(1-2) 5-16  
   South Africa, sedimentation 120(1-4) 225-256  
   Thailand, sedimentary petrology 121(1-2) 97-119  
**volcanism**  
   Canadian Shield, sedimentary petrology 120(1-4) 177-203  
   volume susceptibility (magnetic) *see* magnetic susceptibility  
**wackestone**  
   Spain, geochemistry 114(1-4) 81-95  
**Wanganui Basin**  
   paleomagnetism 117(3-4) 165-192  
   Pliocene 116(1-2) 57-80  
**washover fans**  
   Spain, sedimentary petrology 116(1-2) 27-56  
**water-rock interaction**  
   England, diagenesis 121(3-4) 179-190  
   India, ground water 116(3-4) 251-260  
**Wayao Formation**  
   sedimentary petrology 118(1-4) 55-76  
**weathering**  
   Canadian Shield 120(1-4) 153-176  
   chemical weathering  
     Australia 117(1-2) 123-132  
     Egypt 116(3-4) 227-250  
   China, geochemistry 116(1-2) 129-141  
**Weddell Sea**  
   sedimentary petrology 115(1-4) 185-214  
**Weichselian**  
   Netherlands 114(1-4) 322-323  
**Weissligendes**  
   stratigraphy 114(1-4) 305-319  
**well-logging**  
   electrical logging, France 121(3-4) 207-237  
**Wenlockian**  
   Russian Federation 118(1-4) 187-211  
   West Africa *see* Mali; Mauritania  
**Western Australia**  
   diagenesis, Canning Basin 121(3-4) 149-156  
   Western Europe *see* France; Meuse River; Netherlands; Scandinavia; United Kingdom  
**Whitehorse Group**  
   sedimentary petrology 117(3-4) 143-149  
**Willwood Formation** 114(1-4) 33-54  
**Witwatersrand Supergroup**  
   gold ores 120(1-4) 205-224  
**Wyoming**  
   stratigraphy, Big Horn County Wyoming 114(1-4) 33-54  
**Wyoming Province**  
   stratigraphy 120(1-4) 75-104  
**Yangliujing Formation**  
   sedimentary petrology 118(1-4) 55-76  
**Yangtze Platform**  
   sedimentary petrology 118(1-4) 55-76;  
   118(1-4) 77-93; 118(1-4) 119-126  
**Yellow Sands Formation**  
   stratigraphy 114(1-4) 305-319  
**Yeonghung Formation**  
   diagenesis 118(1-4) 141-157  
**Zhuganpo Formation**  
   sedimentary petrology 118(1-4) 55-76  
**zircon**  
   South Africa, sedimentation 120(1-4) 225-256